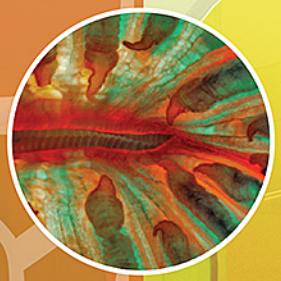
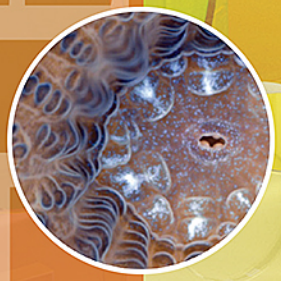
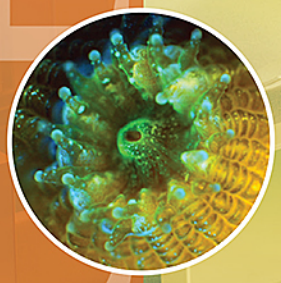
CHROMA TECHNOLOGY CORP®

2024/2025

CATALOG OF FILTERS AND FILTER SETS







CHROMA®

Filter sets by Chroma Technology Corp

1 Recessed large polyps of *Goniastrea sp.*, commonly known as brain star or honeycomb coral, viewed from the side.
James H. Nicholson, NOAA.

2 Close-up of opening mouth of single polyped *Fungia sp.*, commonly known as mushroom coral.
James H. Nicholson, NOAA.

3 Recessed large polyps of *Goniastrea sp.*, commonly known as brain star or honeycomb coral, viewed from the side.
James H. Nicholson, NOAA.

4 Close-up of a single *Montastraea sp.* (commonly known as boulder star coral) polyp within a colony.
James H. Nicholson, NOAA.

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ご挨拶

本カタログをご覧いただきありがとうございます。

クロマテクノロジ社は、アメリカ合衆国のバーモント州に本社を持つ光学フィルタの専門メーカーです。超精密スパッタ法（＊）により、様々なご用途でお使いいただけるフィルタを提供しています。

1991年の創設以来、多くの大学、研究所、企業の方々にお使いいただいており、“品質とソリューション”をモットーに、専門知識を持った者が責任を持ってご要望にお応えします。

当社は株式会社ですが、従業員のみが株式を所有するアメリカでも珍しい“Employee Owned Company”形式の会社であり、従業員の一人ひとりが自覚と責任を持って働いています。加えて事業のみならず、地域との交わりやグリーン活動に力を入れ、社会貢献を実践します。

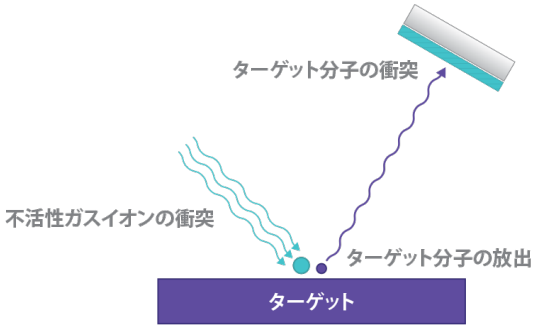
皆様方のご要望にお応えできるよう、これからも絶えず技術開発を続けてまいります。今後ともよろしくお願い申し上げます。

謹白

クロマテクノロジ社
社長　ポール・ミルマン

＊超精密スパッタ法とは？

ターゲット（物質）にArなどの不活性な物質を高速で衝突させ、ターゲット表面から原子や分子が叩き出される過程をスパッタリングと呼びます。この叩き出された原子や分子をガラスなどの基板上に付着させ、薄膜を形成する技術がスパッタ法です。スパッタ法で形成された膜は従来の真空蒸着法で形成された膜に比べて付着力が強いため、真空蒸着法で製作されたフィルタをソフトコートフィルタ、スパッタ法で製作された膜をハードコートフィルタと呼ぶ場合があります。
当社は独自の超精密マグネトロンスパッタ技術を開発し、リアルタイムで膜厚測定しながら膜厚制御を行うことで、精密かつ高品質なフィルタを提供しています。



スパッタリングの原理

本書の使い方・・・

本書では、蛍光顕微鏡に用いられる標準の蛍光フィルタセットがご覧いただけます。当社では、皆様が様々な蛍光色素を使って実験にできるよう、本書に掲載されたフィルタ以外にも多くのフィルタを準備しております。またお客様のニーズに合わせた“特注品の製作”も、お手ごろの値段で引き受けております。どうぞお気軽にお申し出ください。

様々なご用途に・・・

さらに当社では、通常の蛍光顕微鏡以外にもより多くの目的に使えるよう、様々なフィルタを開発しております。ご用途に合わせて、“特注品の製作”にお応えします。

例：遺伝子チップリーダー、HTSシステム、HCSシステム、フローサイトメーター、コンフォーカル顕微鏡、多光子顕微鏡、ラマン分光顕微鏡、単分子顕微鏡

蛍光イメージングのことなら・・・

当社ではフィルタの製作のみならず、目的に応じた“フィルタ選択”のご相談にも応じています。蛍光顕微鏡に関する“疑問”“お悩み”“ご相談”のことなら、お気軽にお問い合わせください。専門家が丁寧にお応えします。

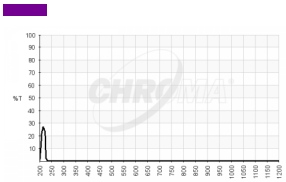
- 😟 使おうと思っている蛍光色素に適切なフィルタが分からない
- 😟 今使っているフィルタが、適切なフィルタか分からない
- 😐 今使っているフィルタが、暗くて困っている
- 😐 今使っているフィルタでは、退色が速くて困っている
- 😐 多色画像を重ね合わせると、色ずれがあって困っている
- 😐 多色染色標本を撮ると、クロストークが大きくて困っている
- 😀 通常より大きい（小さい）フィルタがほしい
- 😀 顕微鏡や光源や検出器のことも、一緒に教えてほしい

保証について・・・

当社のATおよびETタイプのフィルタは、永年保証となっています。万が一劣化した場合には、無償で交換いたします。さらにETタイプは、色ずれ保証（社内規定）も行っています。

インディビデュアルフィルター / SINGLE BANDPASS AND SINGLE EDGE FILTERS

Single Bandpass and Single Edge Filters



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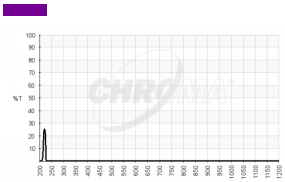

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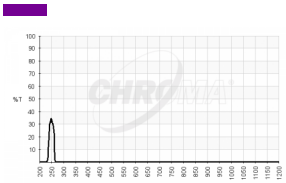

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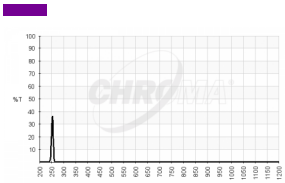

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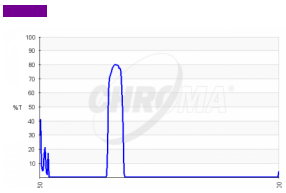

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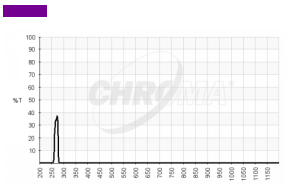

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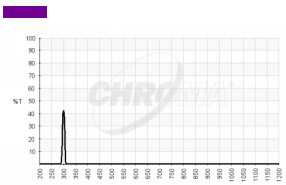

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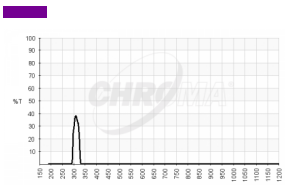

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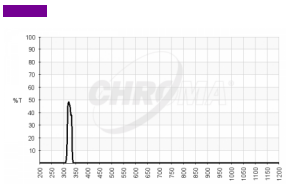

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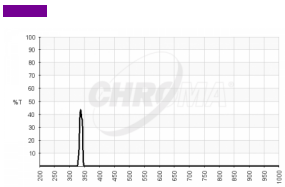

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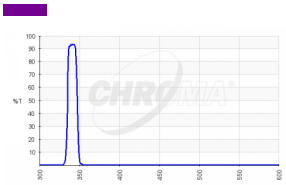

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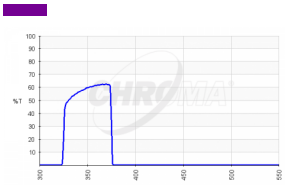

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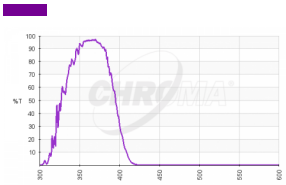
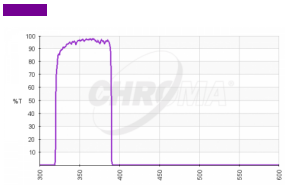
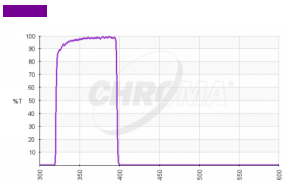


27060 - Classic U-Bessell



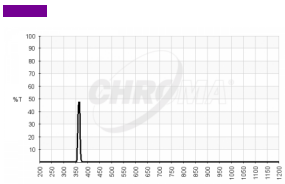
27055 - Sloan-u

Sloan ugrizシリーズのUV測光用フィルター、耐久性のある高透過率のスパッタコーティング



27050 - U-Bessell

UVBRIシリーズのUV測光用フィルター、耐久性のある高透過率のスパッタコーティング



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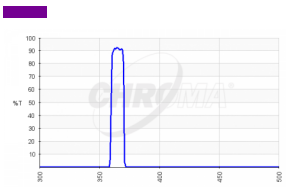

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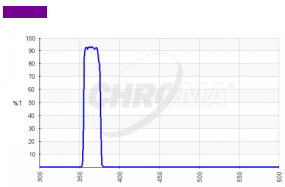

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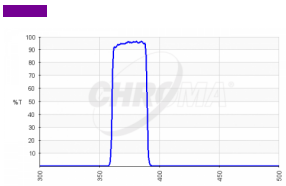

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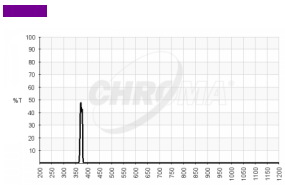

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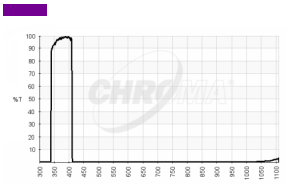
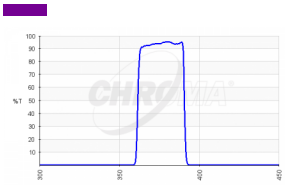


MV375/70 - UV Vision Filter



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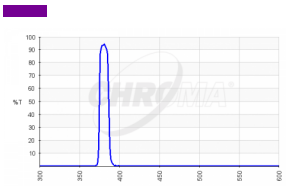

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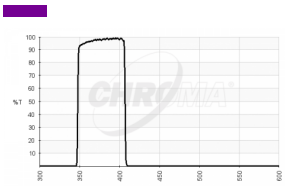
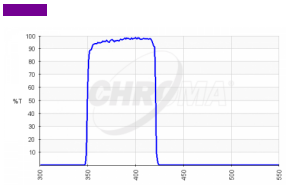


MV380/60 - UV Vision Filter



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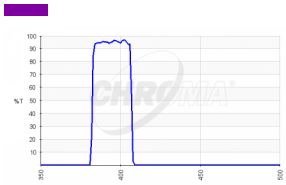

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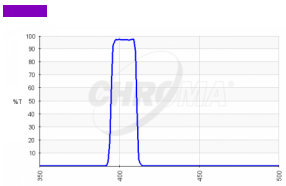

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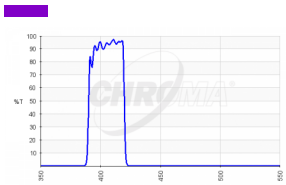

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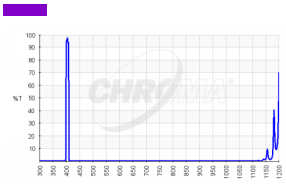

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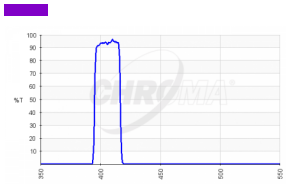

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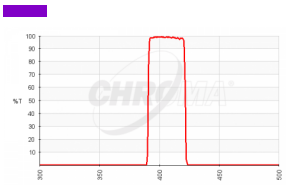

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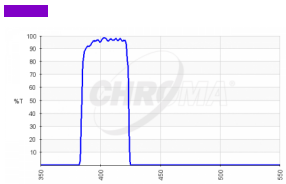

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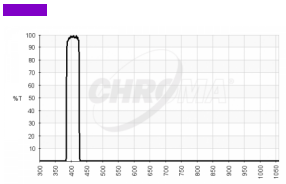
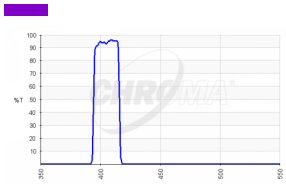


MV405/40 - Violet Vision Filter



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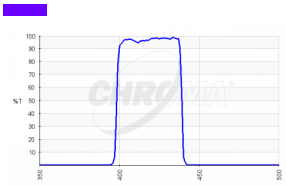

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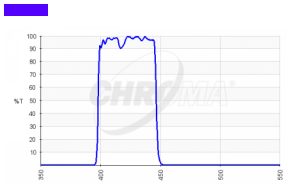

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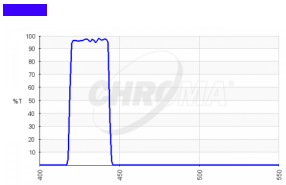

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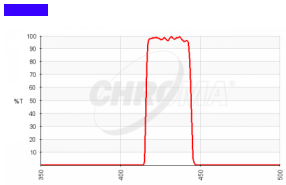

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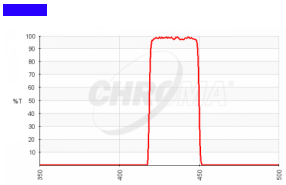

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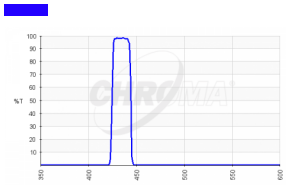

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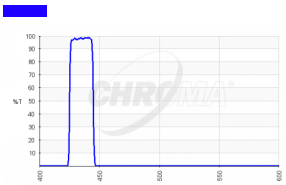

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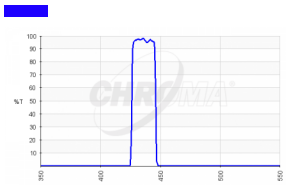
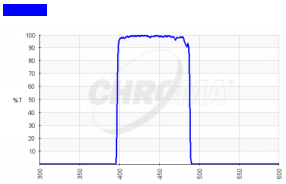
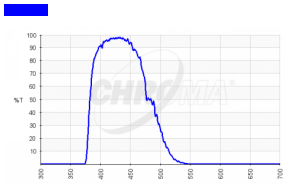


ZET436/20x

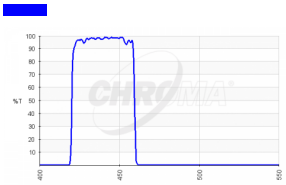


27052 - B-Bessell

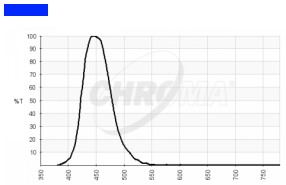
UVBRIシリーズの青測光用フィルター、耐久性のある高透過率のスパッタコーティング



27061 - Classic B-Bessell

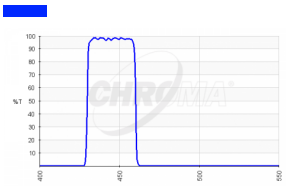


ET440/40x

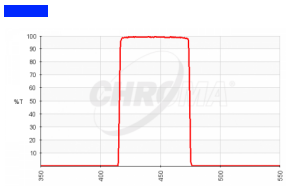


28103 - Chroma z̄ CIE Tristimulus Filter less than 3.5% f1' error

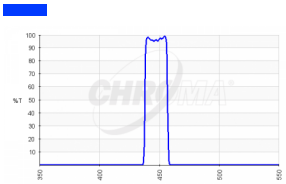
価格は、25mmのねじ山のないリング形式の標準 z̄フィルターの価格です。 これらのフィルターは、マウントされているものとマウントされていないものを問わず、あらゆるサイズで製造できます。特定の応答関数またはスペクトルパワー分布にカスタマイズされたフィルターを設計することもできます。 価格と詳細についてはお問い合わせください。



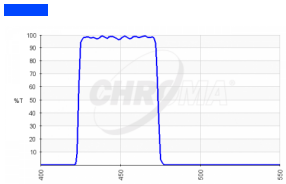
ET445/30x



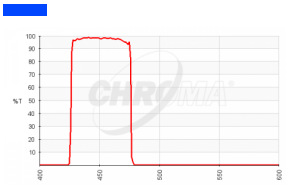
ET445/58m



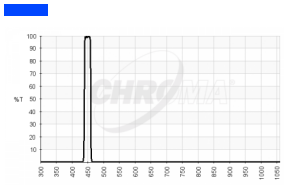
ET448/19x



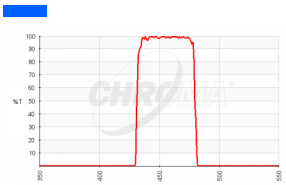
AT450/50x



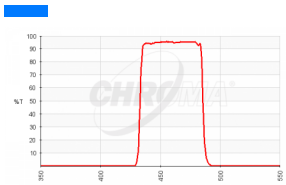
ET450/50m



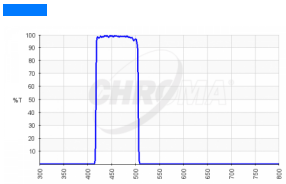
MV450/20 - Narrow Indigo Vision Filter



ET455/50m

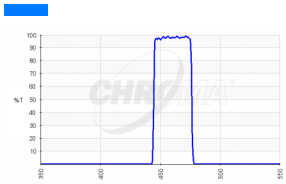


AT460/50m

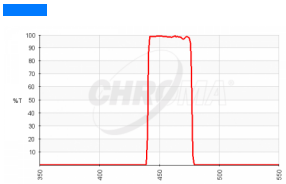


27043 - Blue

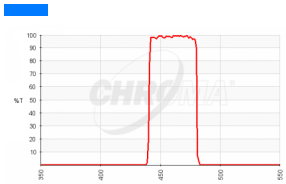
RGBセットで演色を強化するための青フィルター



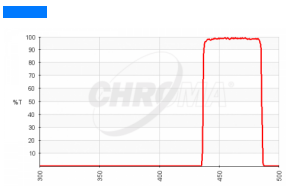
ET460/30x



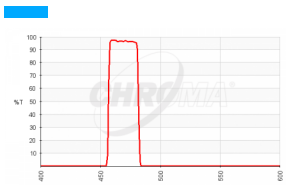
ET460/36m



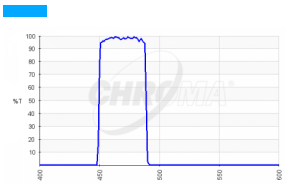
ET460/40m



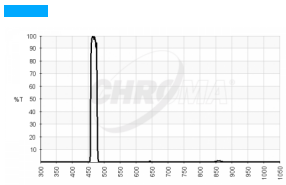
ET460/50m



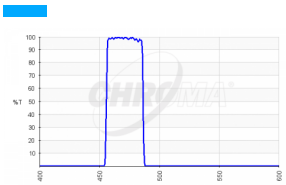
ET470/24m



ET470/40x

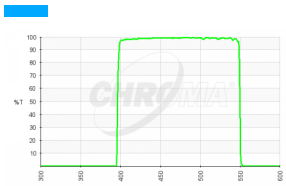


MV470/20 - Narrow Blue Vision Filter



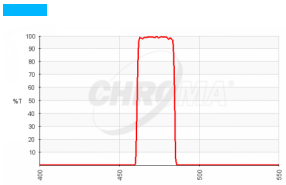
PCR470/30x

出力範囲455～485 nmのLED光源を備えたPCR機器のFAMチャネルに推奨される励起フィルター。

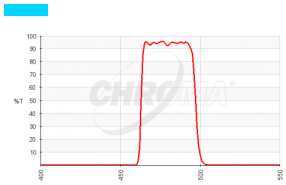


27056 - Sloan-g

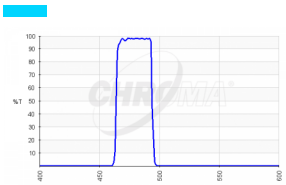
Sloan ugrizシリーズの緑測光用フィルター、耐久性のある高透過率のスパッタコーティング



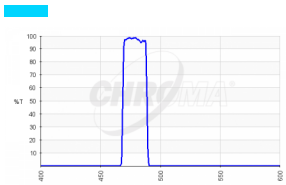
ET473/24m



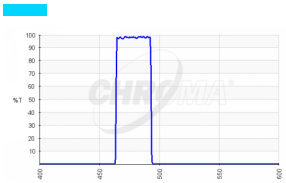
AT480/30m



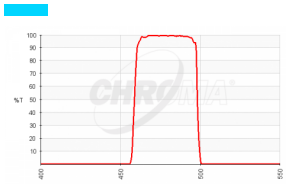
AT480/30x



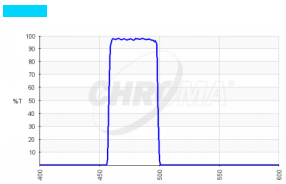
ET480/20x



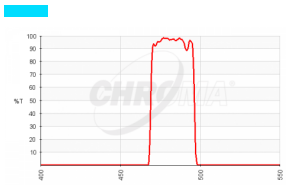
ET480/30x



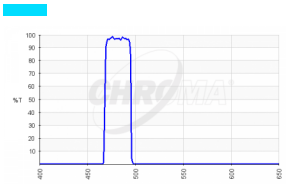
ET480/40m



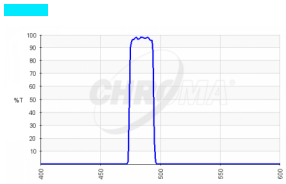
ET480/40x



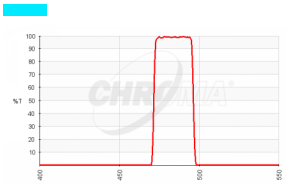
ET482/27m



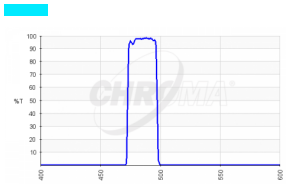
ET482/28x



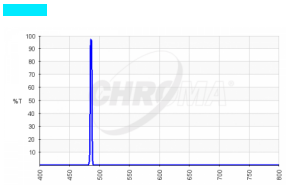
ET485/20x



ET485/25m

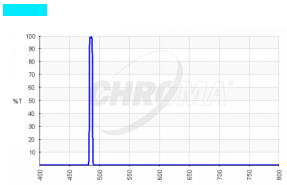


ET485/25x



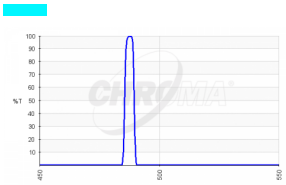
27004 - H-beta 3nm Bandpass

Hβフィルターは、星雲やイオン化された水素が豊富なオブジェクトのイメージングにも役立ちます。 486.1 nmでは、Hβ線を近くの青と緑のスペクトル線から分離するために狭帯域フィルターが必要です。 Hα線よりも弱いですが、Hαのより長い赤の波長は目で検出することが難しいため、これはしばしば視覚的検出用に使用されます。

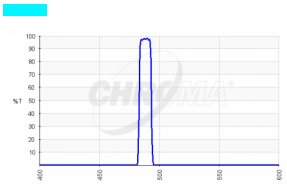


27005 - H-beta 5nm Bandpass

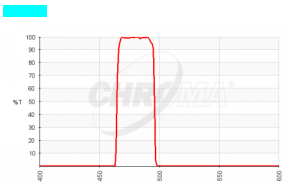
Hβフィルターは、星雲やイオン化された水素が豊富なオブジェクトのイメージングにも役立ちます。 486.1 nmでは、Hβ線を近くの青と緑のスペクトル線から分離するために狭帯域フィルターが必要です。 Hα線よりも弱いですが、Hαのより長い赤の波長は目で検出することが難しいため、これはしばしば視覚的検出用に使用されます。



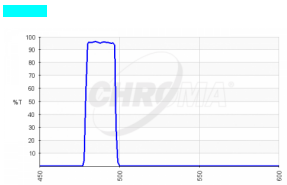
RET488/4x



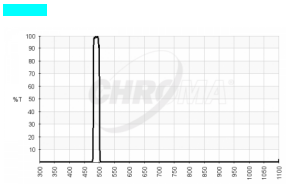
ZET488/10x



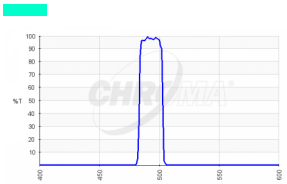
ET480/30m



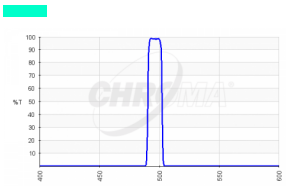
ET490/20x



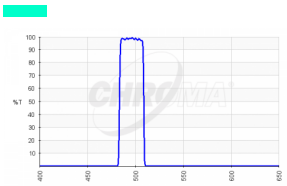
MV490/20 - Narrow Blue Vision Filter



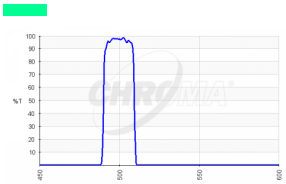
AT495/20x



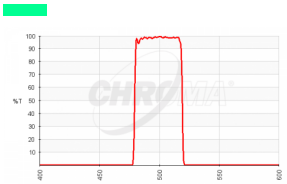
ET495/10x



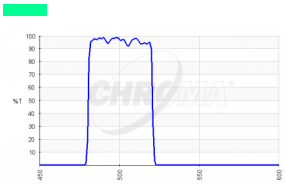
ET495/25x



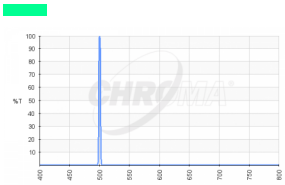
ET500/20x



ET500/40m

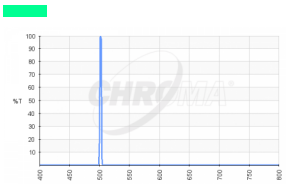


ET500/40x



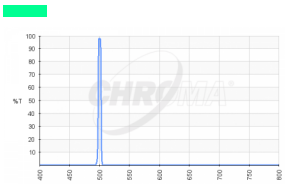
27006 - OIII 3nm Bandpass

OIIIフィルターは、二重イオン化酸素の500.7 nmの一次輝線を分離します。Hαの後で、これは星雲をイメージングするときに次に一般的な放射です。



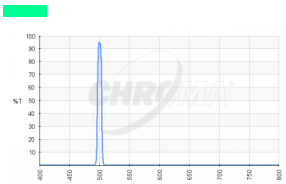
27066 - OIII 3nm Bandpass optimized for f/2.8-f/3.6

OIII フィルターは、二重イオン化酸素の 500.7nm の一次輝線を分離します。H-アルファに次いで、星雲を撮影する際によく見られる放射です。f/3.0 フィルターは、スペクトル シフトを最小限に抑え、f/3.0 ビームで形状をより適切に保持するように設計されています。



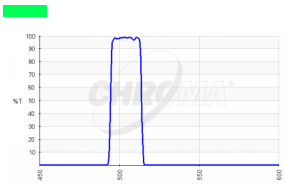
27007 - OIII 5nm Bandpass

OIIIフィルターは、二重イオン化酸素の500.7 nmの一次輝線を分離します。Hαの後で、これは星雲をイメージングするときに次に一般的な放射です。

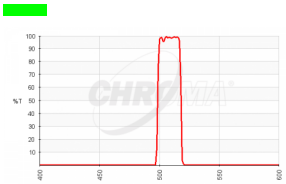


27008 - OIII 8nm Bandpass

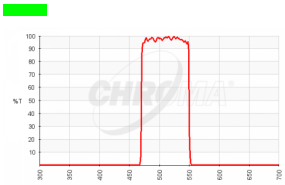
OIIIフィルターは、二重イオン化酸素の500.7 nmの一次輝線を分離します。Hαの後で、これは星雲をイメージングするときに次に一般的な放射です。



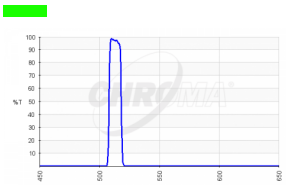
ET505/20x



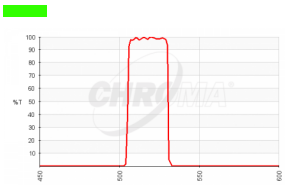
ET510/20m



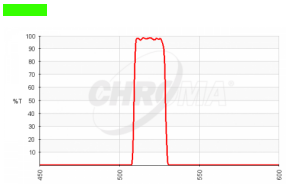
ET510/80m



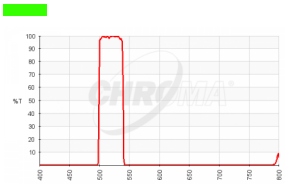
ZET514/10x



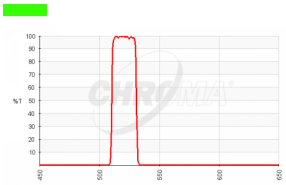
ET519/26m



ET520/20m

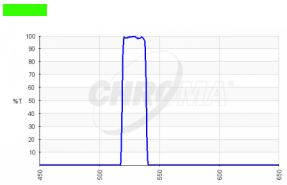


ET520/40m



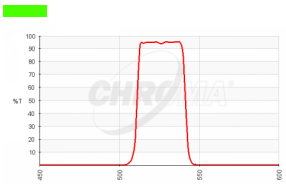
PCR520/20m

PCR装置のFAMチャネルに推奨されるエミッションフィルター。

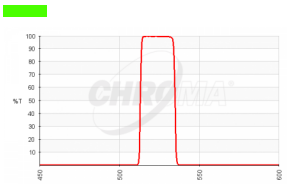


PCR530/20x

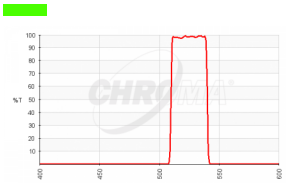
出力範囲520～540 nmのLED光源を備えたPCR機器のHEXチャネルに推奨される励起フィルター。 JOEでも使用できます。



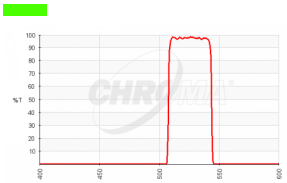
AT525/30m



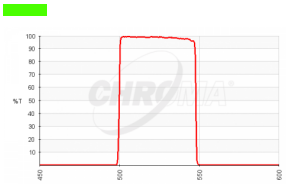
ET525/20m



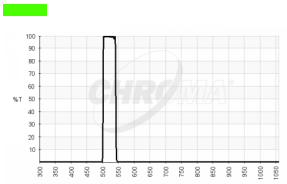
ET525/30m



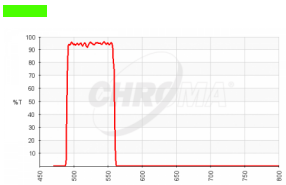
ET525/36m



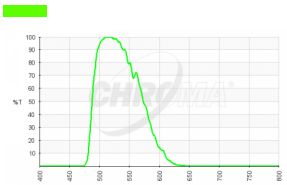
ET525/50m



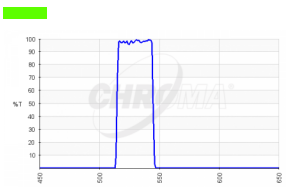
MV525/40 - Green Vision Filter



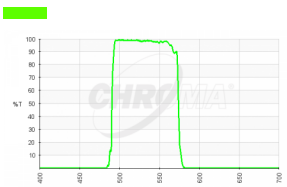
ET525/70m-2p - Multiphoton bandpass emission filter



27062 - Classic V-Bessell

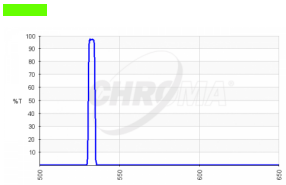


ET530/30x

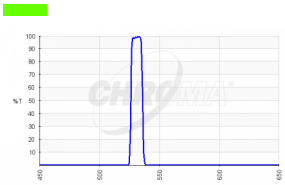


27051 - V-Bessell

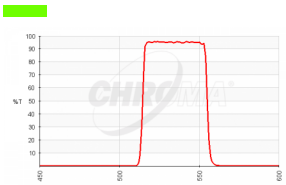
UVBRIシリーズの緑（可視）測光用フィルター、耐久性のある高透過率のスパッタコーティング



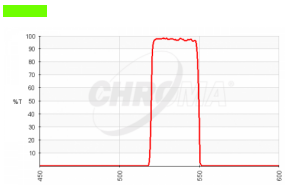
RET532/4x



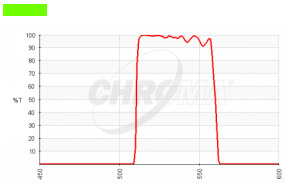
ZET532/10x



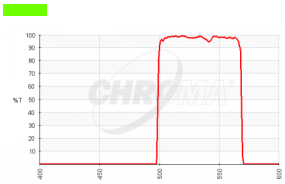
AT535/40m



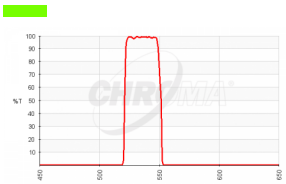
ET535/30m



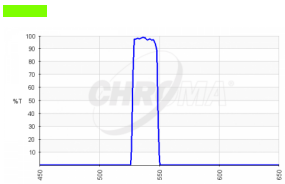
ET535/50m



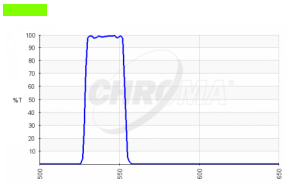
ET535/70m



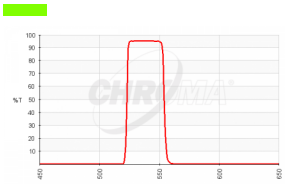
ET537/29m



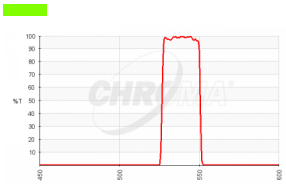
ET539/21x



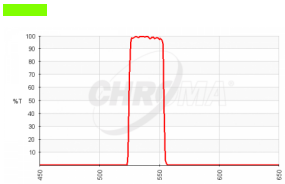
AT540/25x



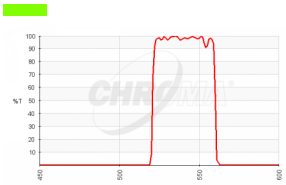
AT540/30m



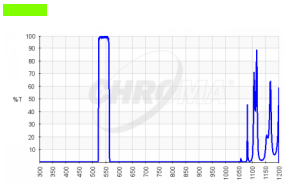
ET540/24m



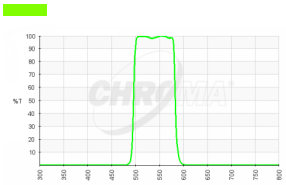
ET540/30m



ET540/40m

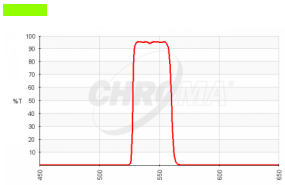


ET540/40x

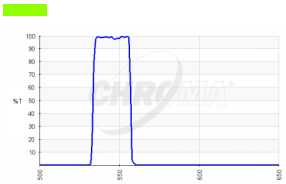


27042 - Green

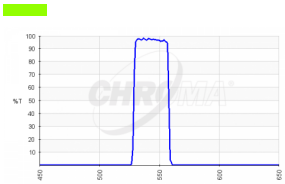
RGBセットで演色を強化するための緑フィルター



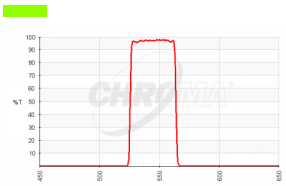
AT545/30m



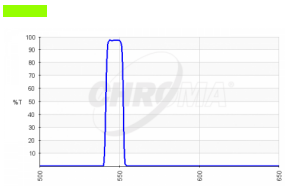
ET545/25x



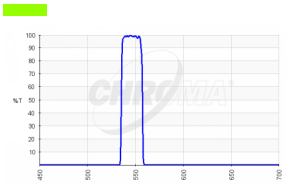
ET545/30x



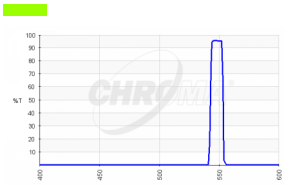
ET545/40m



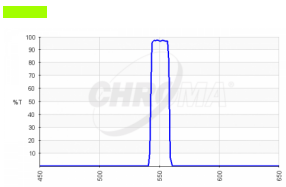
ET546/10x



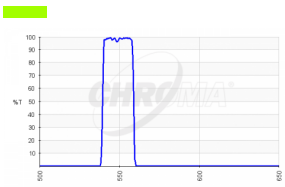
ET546/22x



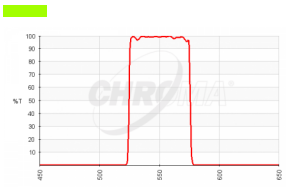
ET548/10x



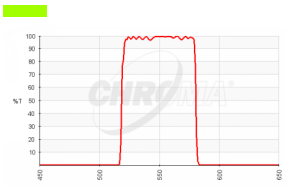
ET550/15x



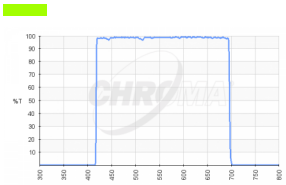
ET550/20x



ET550/50m

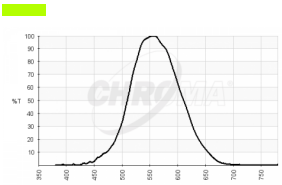


ET550/60m



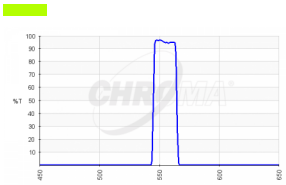
27040 - Lum

RGBセットで演色を強化するための輝度フィルター

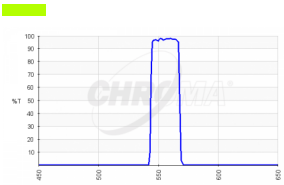


28102 - Chroma ȳ CIE Tristimulus Filter less than 3% f1' error

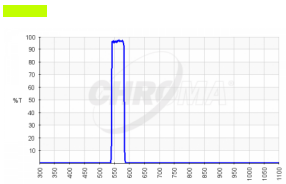
価格は、25mmのねじ山のないリング形式の標準 ȳフィルターの価格です。 これらのフィルターは、マウントされているものとマウントされていないものを問わず、あらゆるサイズで製造できます。特定の応答関数またはスペクトルパワー分布にカスタマイズされたフィルターを設計することもできます。 価格と詳細についてはお問い合わせください。



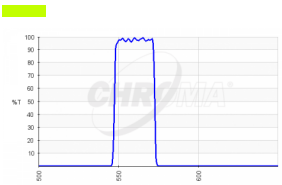
ET555/20x



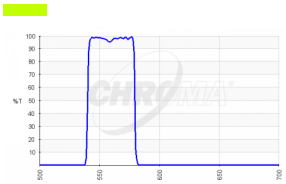
ET555/25x



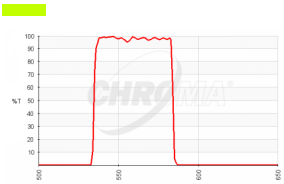
AT560/40x



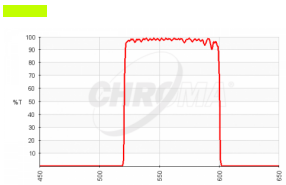
ET560/25x



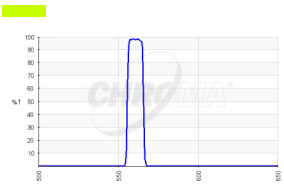
ET560/40x



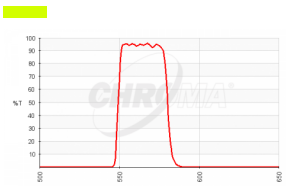
ET560/50m



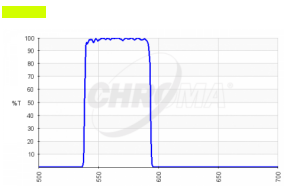
ET560/80m



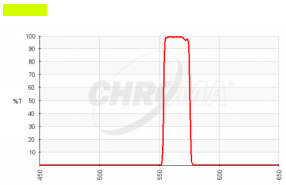
ZET561/10x



AT565/30m

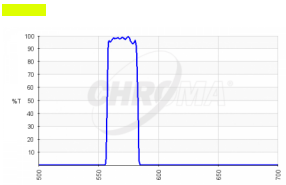


ET565/55x

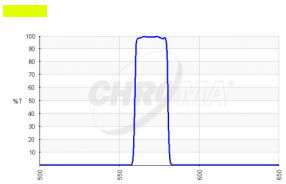


PCR565/22m

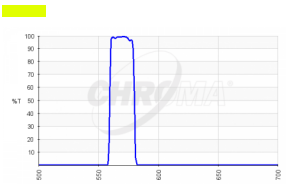
PCR機器のHEXチャネルに推奨されるエミッションフィルター。 JOEでも使用できます。



ET569/25x

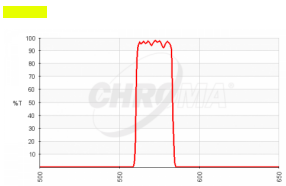


ET570/20x

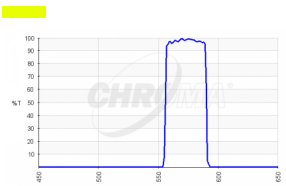


PCR570/20x

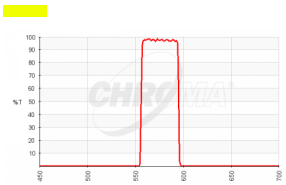
出力範囲560～580nmのLED光源を備えたPCR機器のROXチャネルに推奨される励起フィルター。



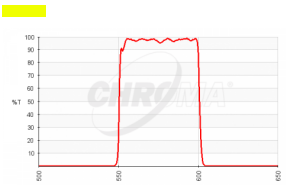
ET572/23m



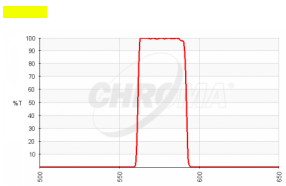
ET572/35x



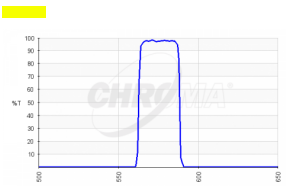
ET575/40m



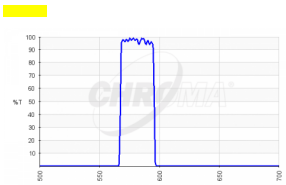
ET575/50m



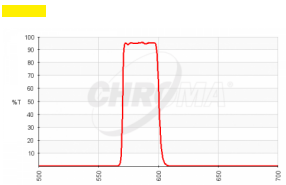
ET576/31m



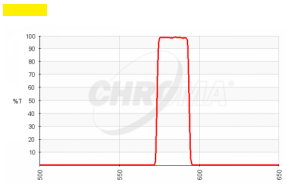
ET577/25x



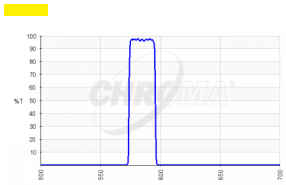
ET580/25x



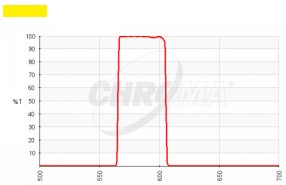
AT585/30m



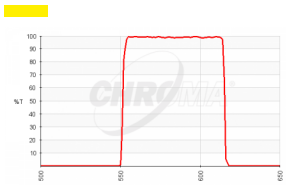
ET585/20m



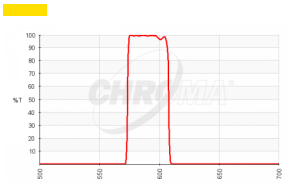
ET585/22x



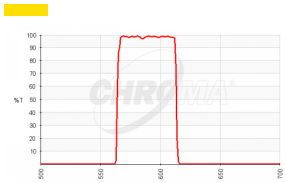
ET585/40m



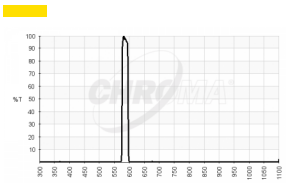
ET585/65m



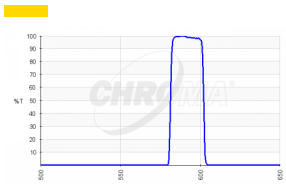
ET590/33m



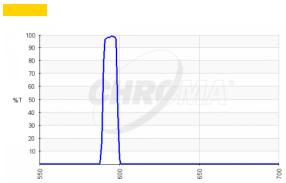
ET590/50m



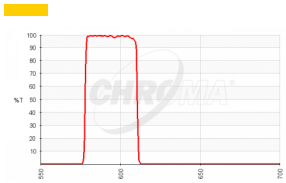
MV590/20 - Narrow Orange Vision Filter



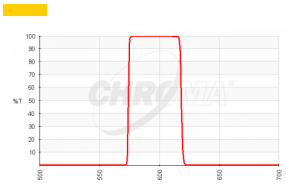
ET592/21x



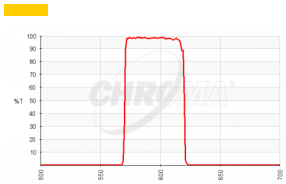
ZET594/10x



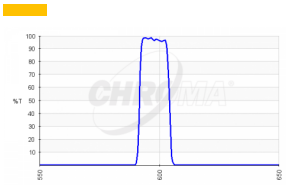
ET595/33m



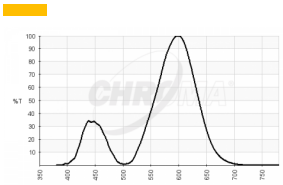
ET595/44m



ET595/50m

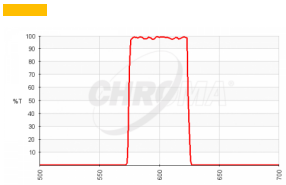


ET599/13x

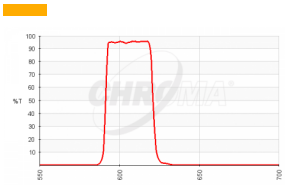


28101 - Chroma x̄ CIE Tristimulus Filter less than 3% f1' error

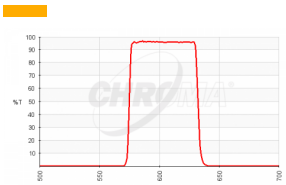
価格は、25mmのねじ山のないリング形式の標準x̄フィルターの価格です。 これらのフィルターは、マウントされているものとマウントされていないものを問わず、あらゆるサイズで製造できます。特定の応答関数またはスペクトルパワー分布にカスタマイズされたフィルターを設計することもできます。 価格と詳細についてはお問い合わせください。



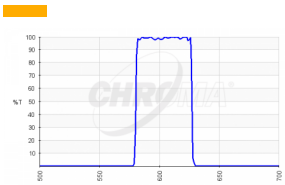
ET600/50m



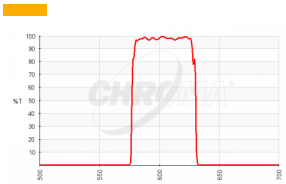
AT605/30m



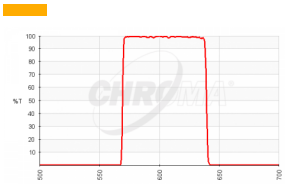
AT605/55m



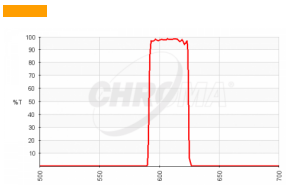
ET605/50x



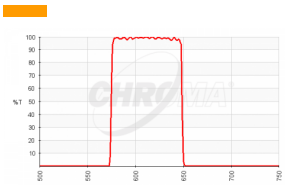
ET605/52m



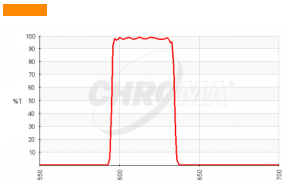
ET605/70m



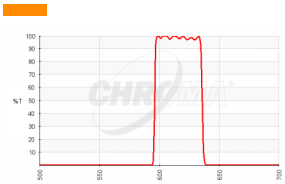
ET609/34m



ET610/75m

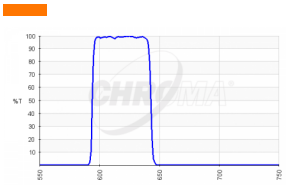


ET615/40m

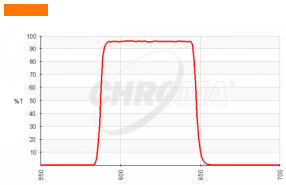


PCR615/40m

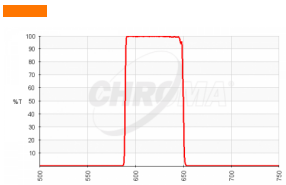
PCR機器のROXチャンネルに推奨されるエミッションフィルター。



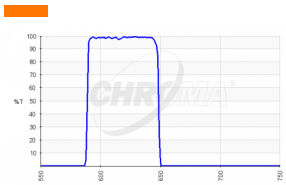
AT620/50x



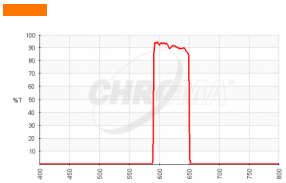
AT620/60m



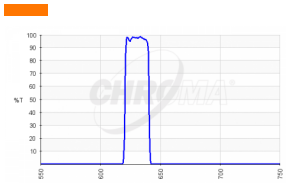
ET620/60m



ET620/60x

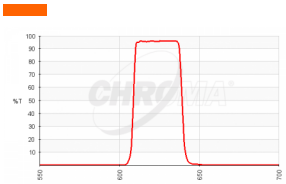


ET620/60m-2p - Multiphoton bandpass emission filter

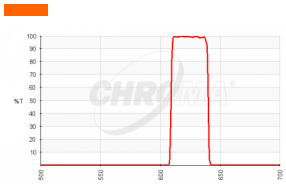


PCR630/20x

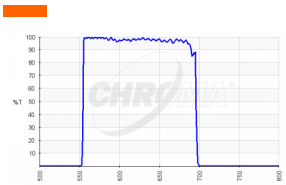
出力範囲620～640 nmのLED光源を備えたPCR機器のCy5チャネルに推奨される励起フィルター。



AT625/30m

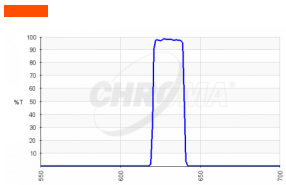


ET625/30m

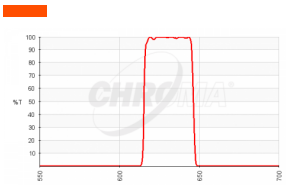


27057 - Sloan-r

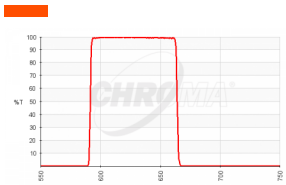
Sloan ugrizシリーズの赤測光用フィルター、耐久性のある高透過率のスパッタコーティング



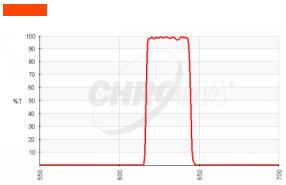
ET630/20x



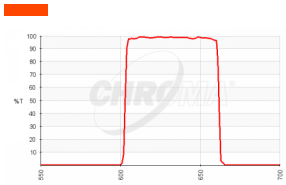
ET630/30m



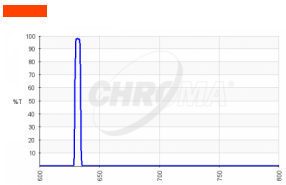
ET630/75m



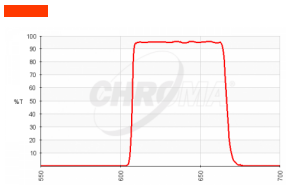
ET632/28m



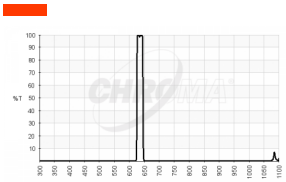
ET632/60m



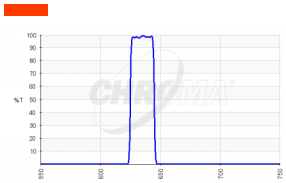
RET633/5x



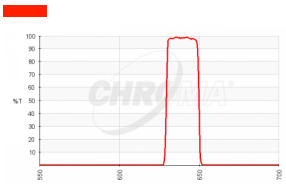
AT635/60m



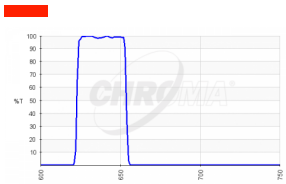
MV635/20 - Narrow Red Vision Filter



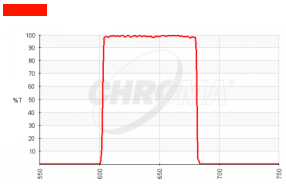
ZET635/20x



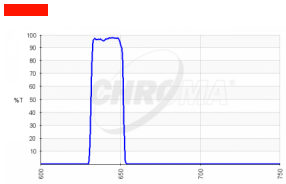
ET640/20m



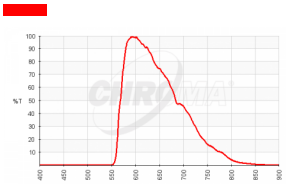
ET640/30x



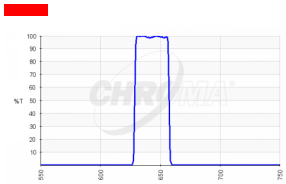
ET642/80m



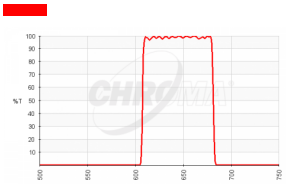
ZET642/20x



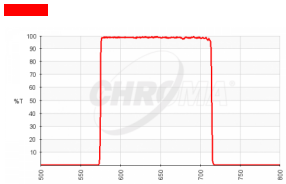
27063 - Classic R-Bessell



ET645/30x

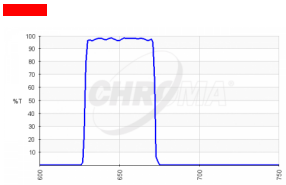


ET645/75m

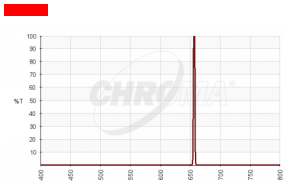


27053 - R-Bessell

UVBRIシリーズの赤測光用フィルター、耐久性のある高透過率のスパッタコーティング

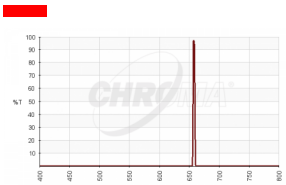


ET650/45x



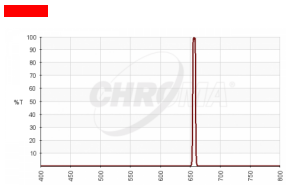
27001 - H-alpha 3nm Bandpass

Hα フィルターは、星雲やイオン化された水素が豊富なその他のオブジェクトのイメージングに不可欠です。 656.3 nmでは、Hα線をSIIダブレット（671.6 nmおよび673.1 nm）から分離するために狭帯域フィルターが必要です。



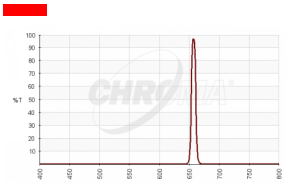
27065 - H-alpha 3nm Bandpass optimized for f/2.8-f/3.6

Hα フィルターは、星雲やイオン化された水素が豊富なその他のオブジェクトのイメージングに不可欠です。656.3 nmでは、Hα線をSIIダブレット（671.6 nmおよび673.1 nm）から分離するために狭帯域フィルターが必要です。f/3.0 フィルターは、スペクトル シフトを最小限に抑え、f/3.0 ビームで形状をより適切に保持するように設計されています。



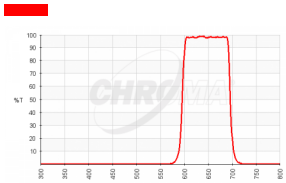
27002 - H-alpha 5nm Bandpass

Hα フィルターは、星雲やイオン化された水素が豊富なその他のオブジェクトのイメージングに不可欠です。 656.3 nmでは、Hα線をSIIダブレット（671.6 nmおよび673.1 nm）から分離するために狭帯域フィルターが必要です。



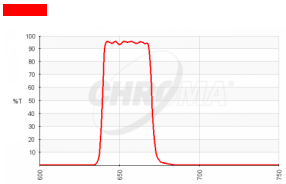
27003 - H-alpha 8nm Bandpass

Hα フィルターは、星雲やイオン化された水素が豊富なその他のオブジェクトのイメージングに不可欠です。 656.3 nmでは、Hα線をSIIダブレット（671.6 nmおよび673.1 nm）から分離するために狭帯域フィルターが必要です。

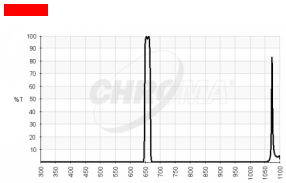


27041 - Red

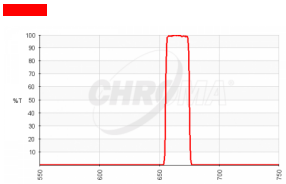
RGBセットで演色を強化するための赤フィルター



AT655/30m

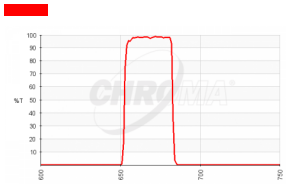


MV660/20 - Narrow Dark Red Vision Filter

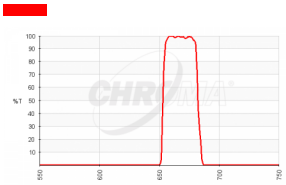


PCR665/20m

PCR装置のCy5チャネルに推奨されるエミッションフィルター。

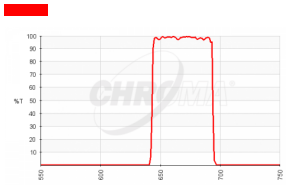


ET667/30m

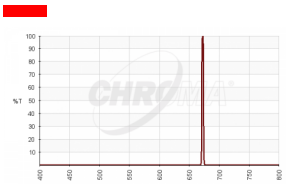


PCR667/30m

より強い信号が必要な場合のPCR機器のCy5チャネル用の代替のエミッションフィルター。

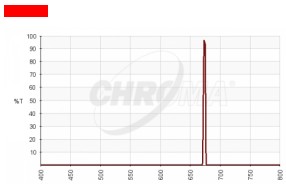


ET670/50m



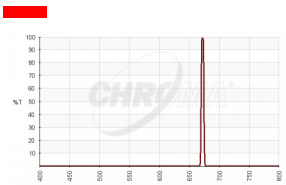
27009 - SII 3nm Bandpass

SIIフィルターは、単一のイオン化された硫黄原子のスペクトル放射を分離し、これは星雲でも一般的です。放射は、671.6 nmと673.1 nmで、ダブレットとして発生する2つの線で発生します。 このフィルターは、硫黄放出をHα放射（656.3nm）からも分離します。



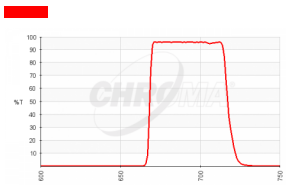
27067 - SII 3nm Bandpass optimized for f/2.8-f/3.6

SII フィルターは、星雲で一般的な単一イオン化硫黄原子のスペクトルを分離します。発光はダブレットとして発生する 671.6 nm と 673.1 nm の2 つのラインにあります。
f/3.0 フィルターは、スペクトル シフトを最小限に抑え、f/3.0 ビームで形状をより適切に保持するように設計されています。このフィルターは、H-α 発光（656.3nm）から硫黄発光を分離します。

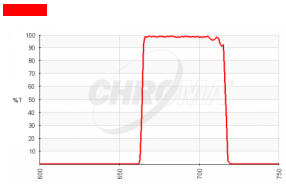


27010 - SII 5nm Bandpass

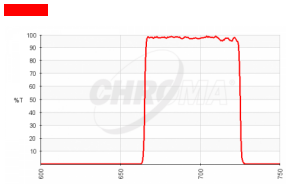
SIIフィルターは、単一のイオン化された硫黄原子のスペクトル放射を分離し、これは星雲でも一般的です。放射は、671.6 nmと673.1 nmで、ダブレットとして発生する2つの線で発生します。 このフィルターは、硫黄放出をHα放射（656.3nm）からも分離します。



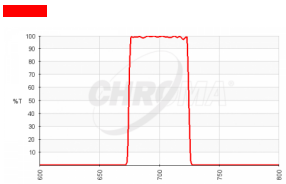
AT690/50m



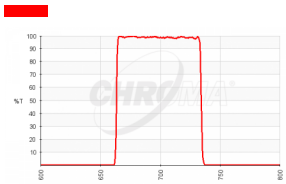
ET690/50m



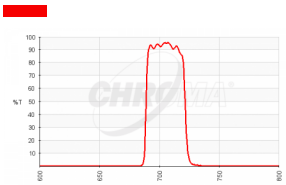
ET697/60m



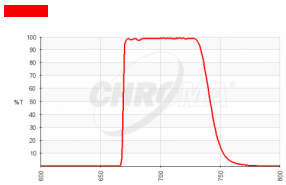
ET700/50m



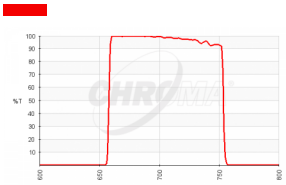
ET700/75m



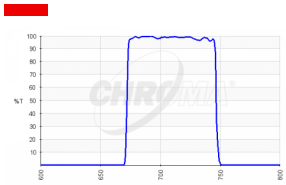
AT705/30m



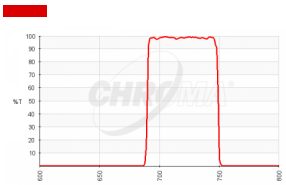
ET705/72m



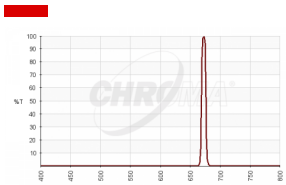
ET706/95m



ET710/75x

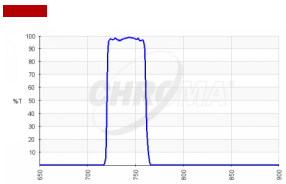


ET720/60m

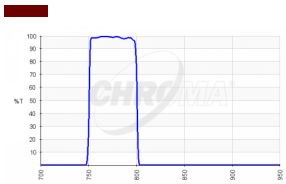


27011 - SII 8nm Bandpass

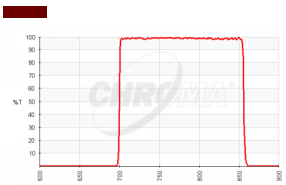
SIIフィルターは、単一のイオン化された硫黄原子のスペクトル放射を分離し、これは星雲でも一般的です。放射は、671.6 nmと673.1 nmで、ダブレットとして発生する2つの線で発生します。 このフィルターは、硫黄放出をHα放射（656.3nm）からも分離します。



ET740/40x

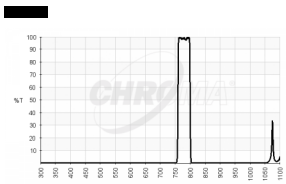


ET775/50x

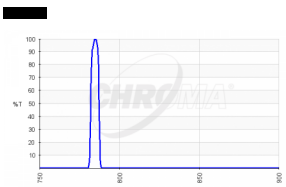


27058 - Sloan-i

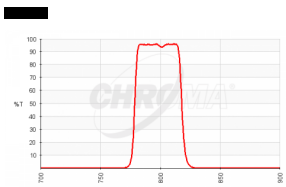
Sloan ugrizシリーズの赤外測光用フィルター、耐久性のある高透過率のスパッタコーティング



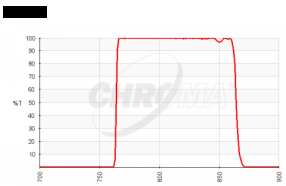
MV785/40 - 785nm NIR Vision Filter



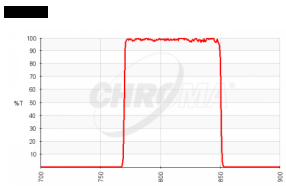
RET785/6x



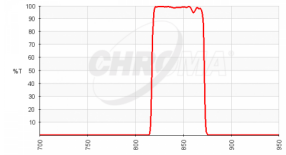
AT800/40m



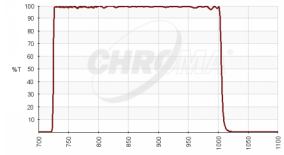
ET810/90m



ET811/80m

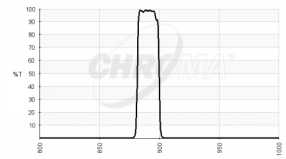


ET845/55m



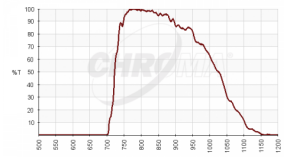
27054 - I-Bessell

UVBRIシリーズの近赤外測光用フィルター、耐久性のある高透過率のスパッタコーティング

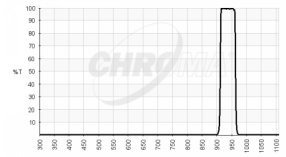


27012 - Jovian Methane

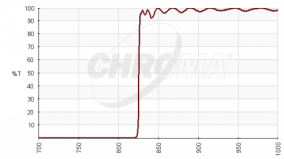
メタン吸収帯フィルターです。このフィルターは、かなりのレベルのメタンを含むオブジェクトをイメージングするときにコントラストを高めます。木星の惑星の大気などのメタンに富む成分はより暗く見えます。



27064 - Classic I-Bessell

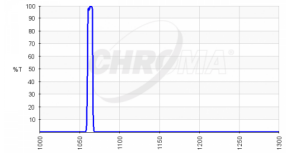


MV940/50 - 940nm NIR Vision Filter

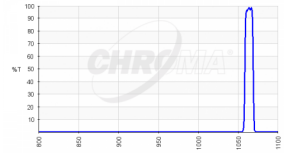


27059 - Sloan-z

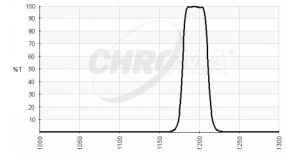
Sloan ugrizシリーズの赤外測光用フィルター、耐久性のある高透過率のスパッタコーティング



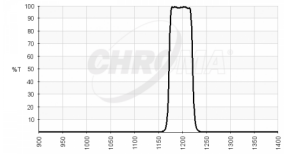
RET1064/7x



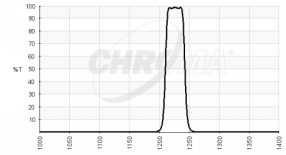
ZET1064/10x



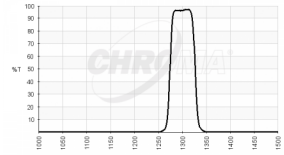
RS1195/30 - 1195nm Remote Sensing Filter



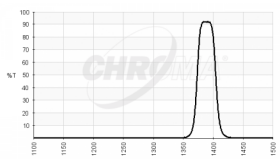
MV1200/50 - 1200nm NIR Vision Filter



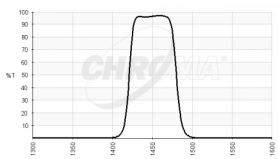
RS1225/30 - 1225nm Remote Sensing Filter



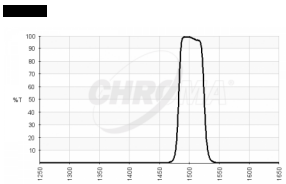
MV1300/50 - 1300nm NIR Vision Filter



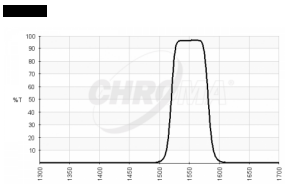
RS1390/30 - 1390nm Remote Sensing Filter



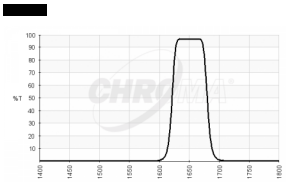
MV1450/60 - 1450nm NIR Vision Filter



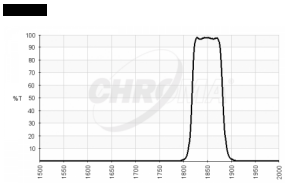
RS1500/40 - 1500nm Remote Sensing Filter



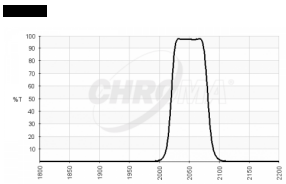
MV1550/60 - 1550nm NIR Vision Filter



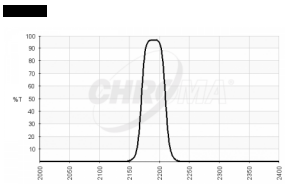
MV1650/60 - 1650nm NIR Vision Filter



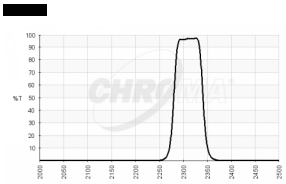
MV1850/60 - 1850nm NIR Vision Filter



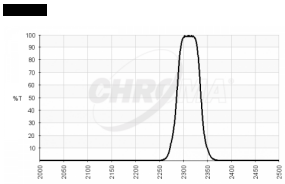
MV2050/60 - 2050nm NIR Vision Filter



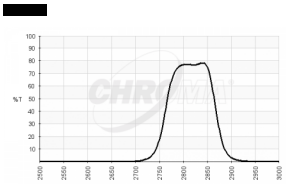
RS2190/40 - 2190nm Remote Sensing Filter



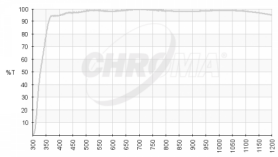
MV2310/60 - 2310nm NIR Vision Filter



RS2310/50 - 2310nm Remote Sensing Filter

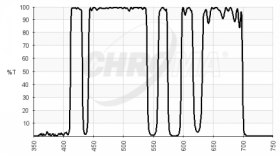


MV2800/100 - 2800nm NIR Vision Filter



27044 - Clear

クリアフィルター

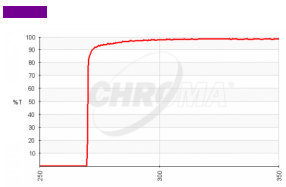


27030 - LoGlow Light Pollution

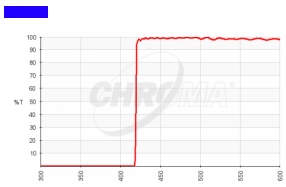
光源からの一般的なスペクトル線を遮断します。 このフィルターは、可視光スペクトルのバランスの取れた色を提供すると同時に、スカイグローに影響を与えるメタルハライドおよび蒸気ランプ光源からのほとんどの放射を遮断します。

インディビデュアルフィルター / SINGLE BANDPASS AND SINGLE EDGE FILTERS

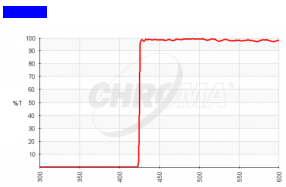
Longpass Filters



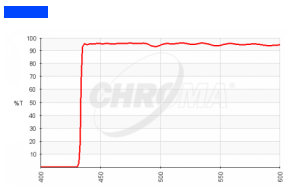
RET270lp



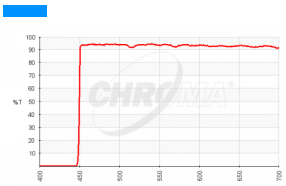
ET420lp



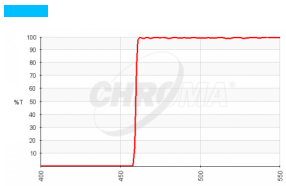
ET425lp



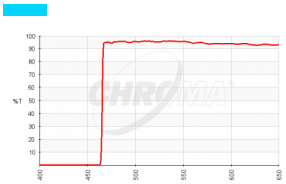
AT435lp



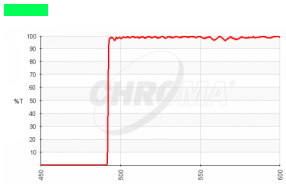
AT450lp



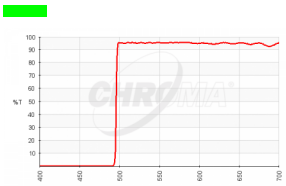
ET460lp



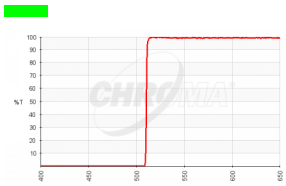
AT465lp



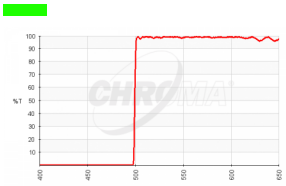
RET493lp



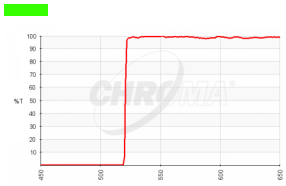
AT495lp



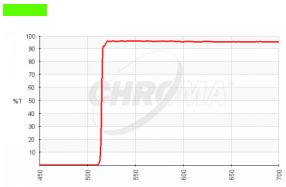
ET510lp



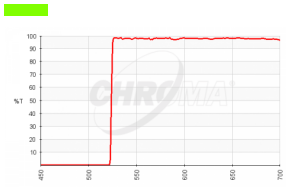
ET500lp



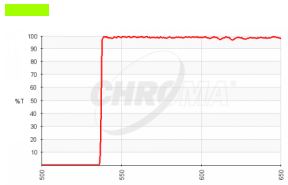
ET520LP



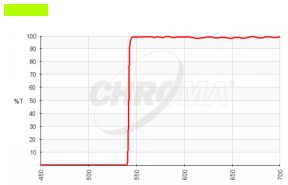
AT515lp



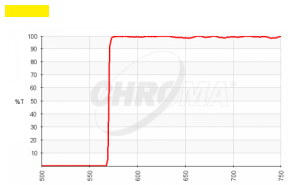
ET525lp



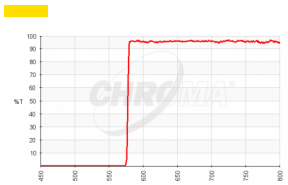
RET537lp



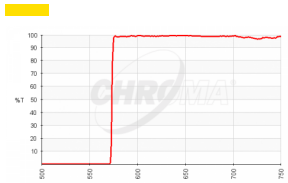
ET542lp



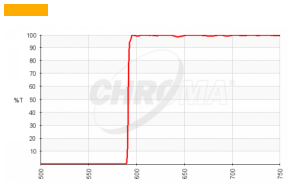
ET570lp



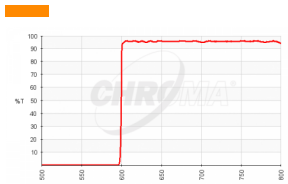
AT575lp



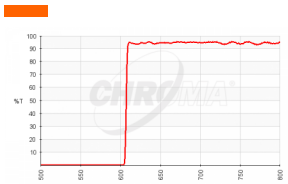
ET575lp



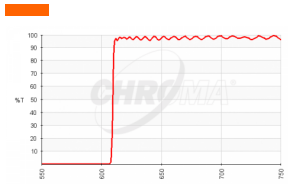
ET590lp



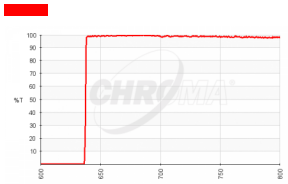
AT600lp



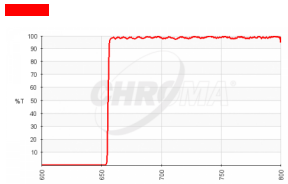
AT610lp



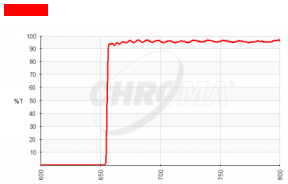
ET610lp



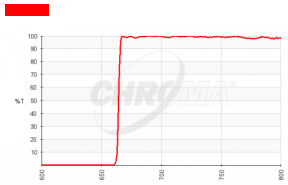
RET638lp



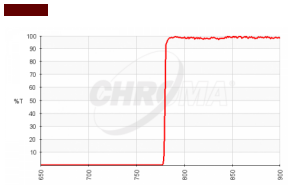
ET655lp



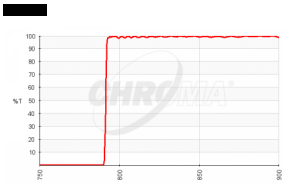
ET655lp-TRF



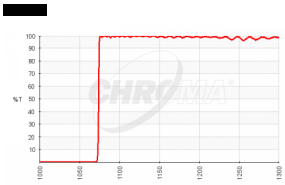
ET665lp



ET780lp



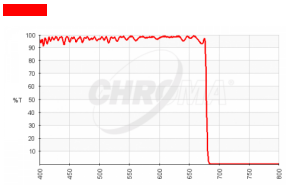
RET792lp



RET1072lp

インディビデュアルフィルター / SINGLE BANDPASS AND SINGLE EDGE FILTERS

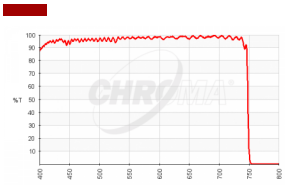
Shortpass Filters



2P ET

ET680sp-2p8 - Multiphoton shortpass emission filter

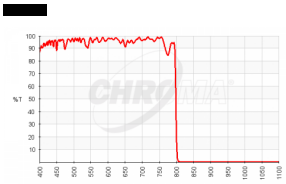
多光子ショートパス放出フィルター、680～1064nmの平均 OD8で多光子レーザーをブロックし、400～670nmで平均透過率 95%です。



2P ET

ET750sp-2p8 - Multiphoton shortpass emission filter

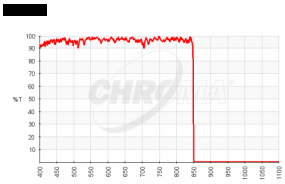
多光子ショートパス放出フィルター、780～1064nmの平均 OD8で多光子レーザーをブロックし、400～745nmで平均透過率 95%です。



2P ET

ET800sp-2p/1350 - Multiphoton shortpass emission filter

多光子ショートパス放出フィルター、830～1064nmの平均 OD8で多光子レーザーをブロックし、400～790nmで平均透過率 95%です。



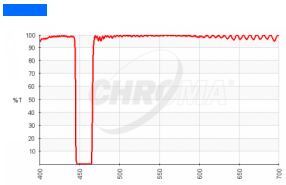
2P ET

ET850sp-2p - Multiphoton shortpass emission filter

多光子ショートパス放出フィルター、880～1064nmの平均 OD8で多光子レーザーをブロックし、400～845nmで平均透過率 95%です。

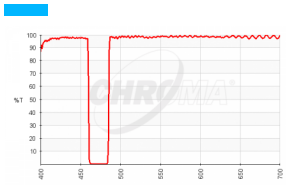
インディビデュアルフィルター / SINGLE BANDPASS AND SINGLE EDGE FILTERS

Notch Rejection Filters

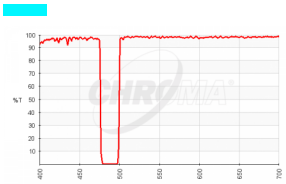


ZET457NF - 457nm Laser Notch Filter

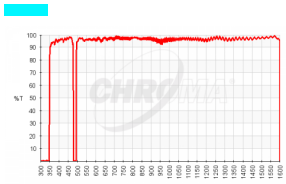
特注品です。受注生産品のため、在庫数に限りがある場合がございます。



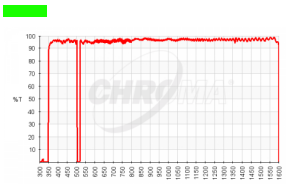
ZET473NF - 473nm Laser Notch Filter



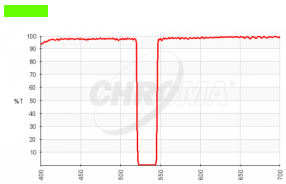
ZET488NF - 488nm Laser Notch Filter



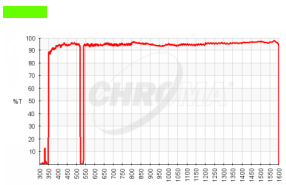
ZET488TopNotch™ - High Performance Narrow Band 488nm Laser Notch Filter



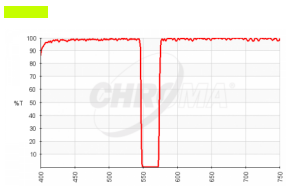
ZET514TopNotch™ - High Performance Narrow Band 514nm Laser Notch Filter



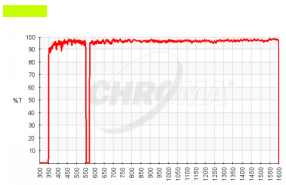
ZET532NF - 532nm Laser Notch Filter



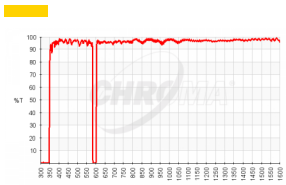
ZET532TopNotch™ - High Performance Narrow Band 532nm Laser Notch Filter



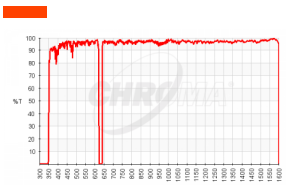
ZET561NF - 561nm Laser Notch Filter



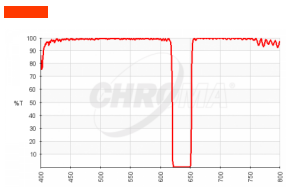
ZET561TopNotch™ - High Performance Narrow Band 561nm Laser Notch Filter



ZET594TopNotch™ - High Performance Narrow Band 594nm Laser Notch Filter

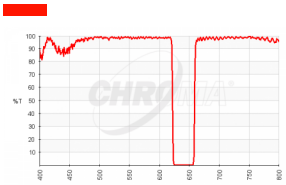


ZET633TopNotch™ - High Performance Narrow Band 633nm Laser Notch Filter



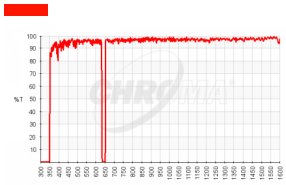
ZET635NF - 635nm Laser Notch Filter

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

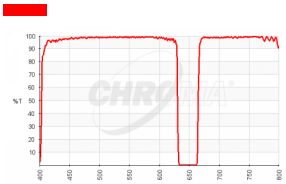


ZET642NF - 642nm Laser Notch Filter

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

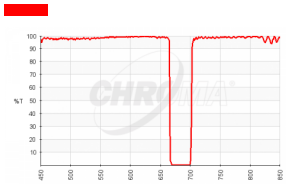


ZET642TopNotch™ - High Performance Narrow Band 642nm Laser Notch Filter



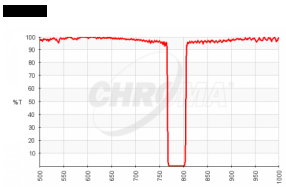
ZET647NF - 647nm Laser Notch Filter

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



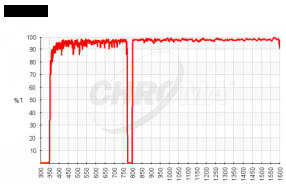
ZET685NF - 685nm Laser Notch Filter

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



ZET785NF - 785nm Laser Notch Filter

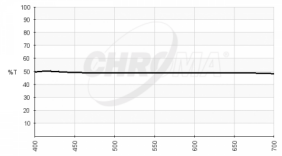
特注品です。受注生産品のため、在庫数に限りがある場合がございます。



ZET785TopNotch™ - High Performance Narrow Band 785nm Laser Notch Filter

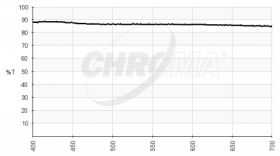
インディビデュアルフィルター / SINGLE BANDPASS AND SINGLE EDGE FILTERS

Beamsplitters (50/50, etc.)



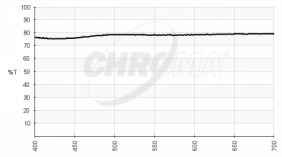
21014 - Silver sputtered non-polarizing 50/50 Vis Beamsplitter

スパッタコートの銀と誘電体を用いたビームスプリッター設計により偏光効果を最小限にしました。



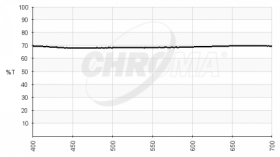
21016 - Sputter-coated, non-polarizing 10/90 Beamsplitter

スパッタコートの銀と誘電体を用いたビームスプリッター設計により偏光効果を最小限にしました。



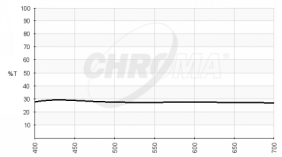
21017 - Sputter-coated, non-polarizing 20/80 Beamsplitter

スパッタコートの銀と誘電体を用いたビームスプリッター設計により偏光効果を最小限にしました。



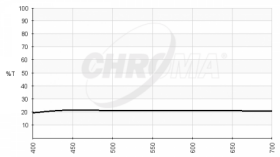
21018 - Sputter-coated, non-polarizing 30/70 Beamsplitter

スパッタコートの銀と誘電体を用いたビームスプリッター設計により偏光効果を最小限にしました。



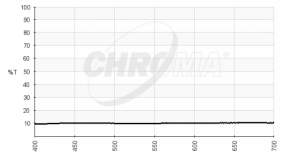
21019 - Sputter-coated, non-polarizing 70/30 Beamsplitter

スパッタコートの銀と誘電体を用いたビームスプリッター設計により偏光効果を最小限にしました。



21020 - Sputter-coated, non-polarizing 80/20 Beamsplitter

スパッタコートの銀と誘電体を用いたビームスプリッター設計により偏光効果を最小限にしました。

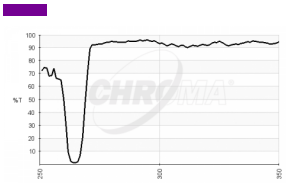


21021 - Sputter-coated, non-polarizing 90/10 Beamsplitter

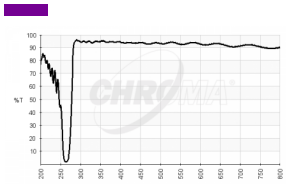
スパッタコートの銀と誘電体を用いたビームスプリッター設計により偏光効果を最小限にしました。

インディビデュアルフィルター / SINGLE BANDPASS AND SINGLE EDGE FILTERS

Single Edge and Single Band Dichroic Beamsplitters

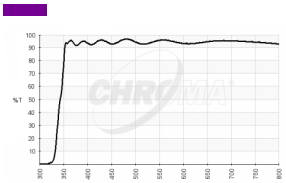


RT266rdc



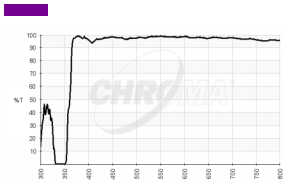
ZT266rdc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



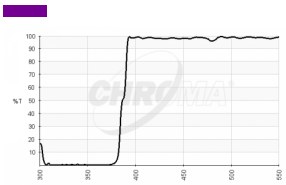
ZT325rdc-xt

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

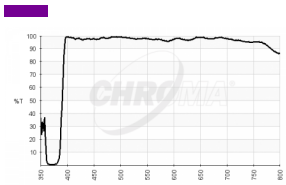


ZT349rdc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

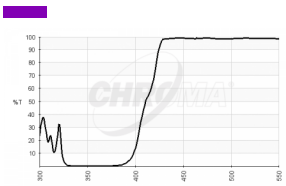


T387lp

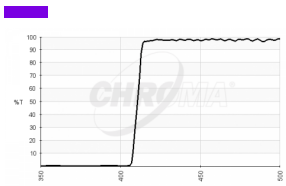


ZT375rdc

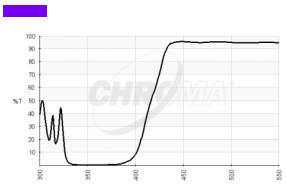
特注品です。受注生産品のため、在庫数に限りがある場合がございます。



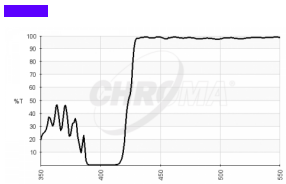
T400lp



T412lpxt

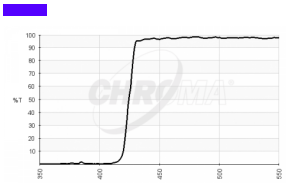


AT415DC

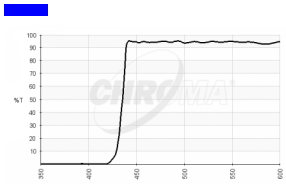


ZT405rdc

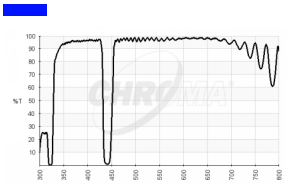
392～415nmのレーザーを反射



T425lpxr

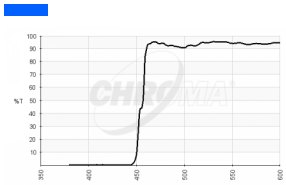


AT440DC



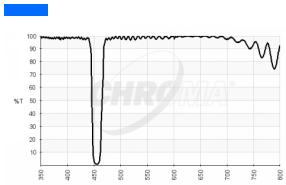
ZT442dcrb

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



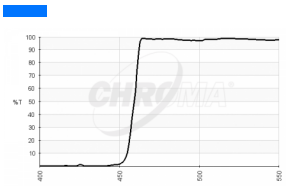
AT455DC

T455lp



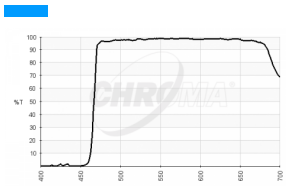
ZT457dcrb

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



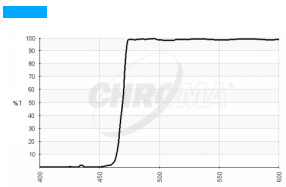
ZT442rdc

355～450nmのレーザーを反射

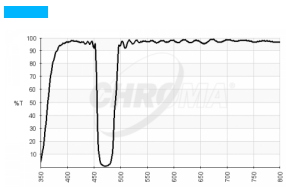


ZT458rdc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

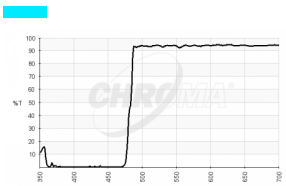


T470lpxr

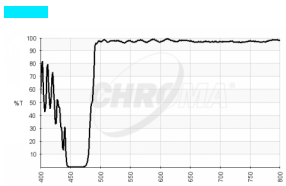


ZT473dcrb

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

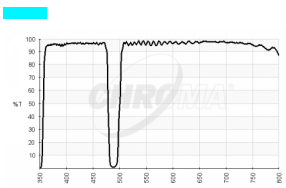


AT485DC



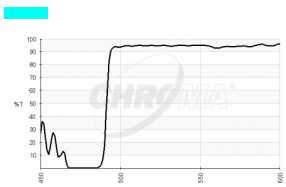
ZT473rdcxt

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

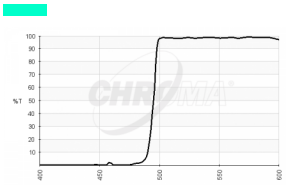


ZT488dcrb

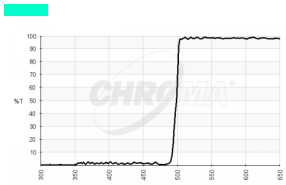
特注品です。受注生産品のため、在庫数に限りがある場合がございます。



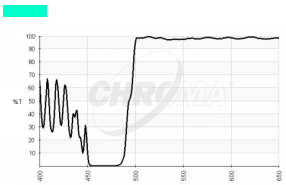
RT488rdc



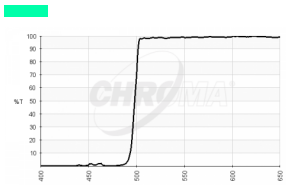
T495lpxr



T495lpxru

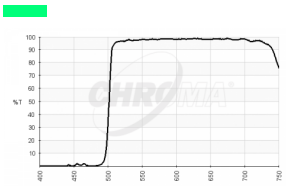


T495lpxt



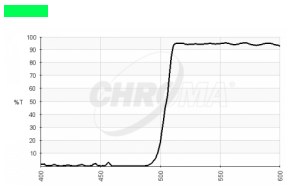
ZT488rdc

400～491nmのレーザーを反射

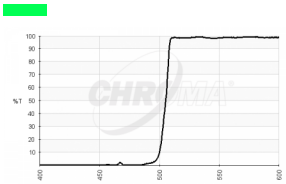


ZT491rdc

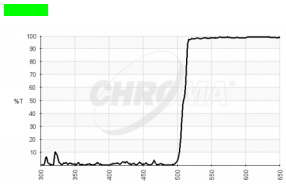
特注品です。受注生産品のため、在庫数に限りがある場合がございます。



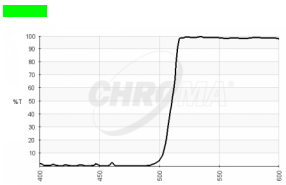
AT505DC



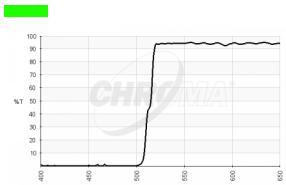
T505lpxr



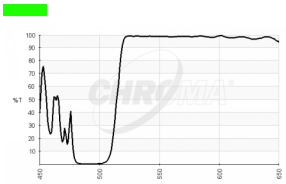
T510lpxru



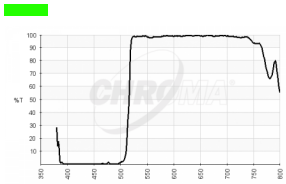
T510lpxrxt



AT515DC

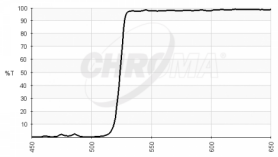


T515lp



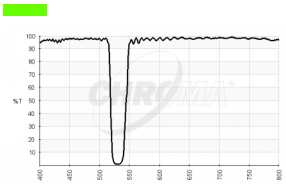
ZT502rdc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



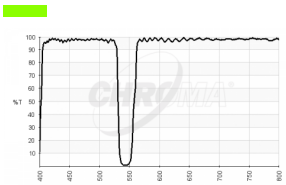
ZT514rdc

400～515nmのレーザーを反射



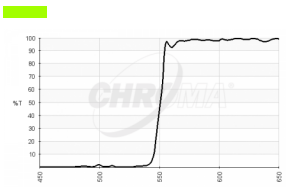
ZT532dcrb

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

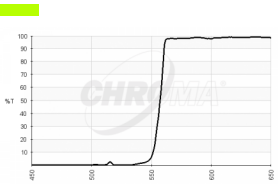


ZT543dcrb

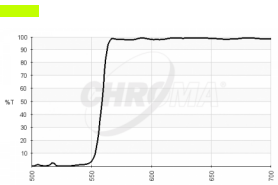
特注品です。受注生産品のため、在庫数に限りがある場合がございます。



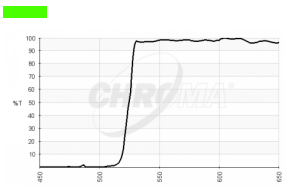
T550lpxr



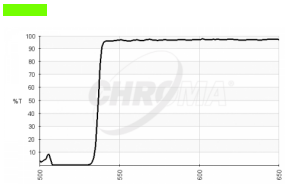
T556lpxr



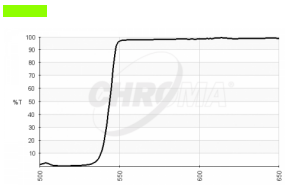
T560lpxr



T525lpxr

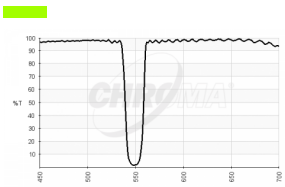


RT532rdc



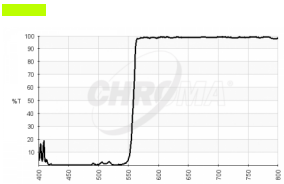
ZT532rdc

400～535nmのレーザーを反射



ZT550dcrb

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

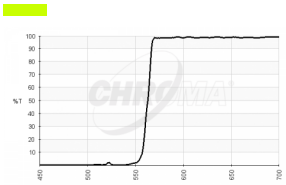


ZT543rdc

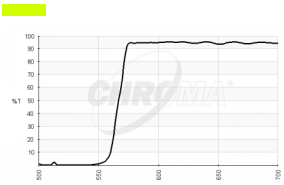
特注品です。受注生産品のため、在庫数に限りがある場合がございます。

ZT561dcrb

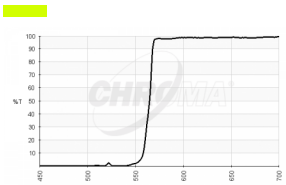
特注品です。受注生産品のため、在庫数に限りがある場合がございます。



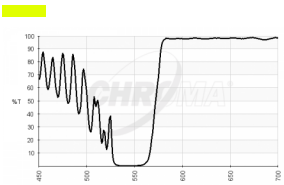
T562lpxr



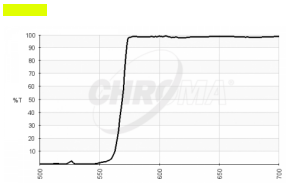
AT565DC



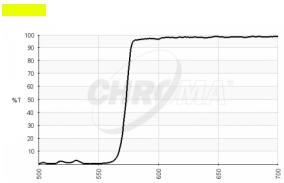
T565lpxr



T570lp

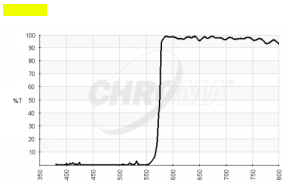


T570lpxr



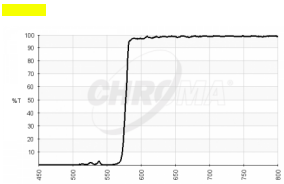
ZT561rdc

430～564nmのレーザーを反射



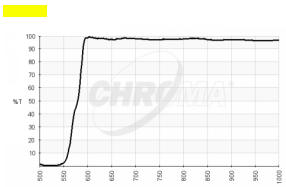
ZT561rdc-xr

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



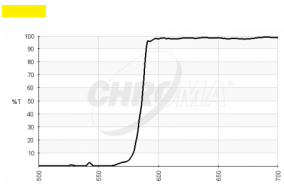
ZT568rdc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

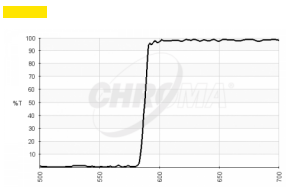


ZT543rdcxt-NIR

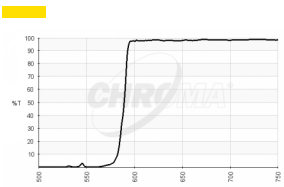
特注品です。受注生産品のため、在庫数に限りがある場合がございます。



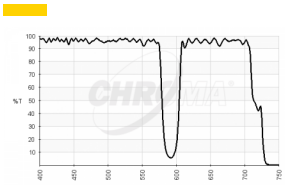
T585lpxr



T588lpxr

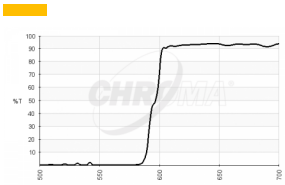


T590lpxr

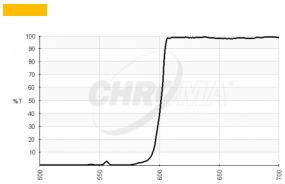


ZT594dcrb

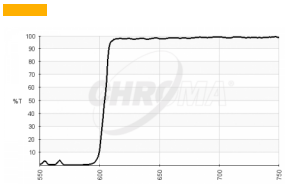
特注品です。受注生産品のため、在庫数に限りがある場合がございます。



AT600DC

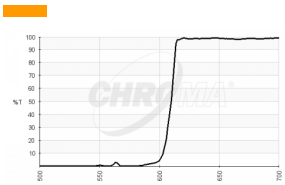


T600lpxr

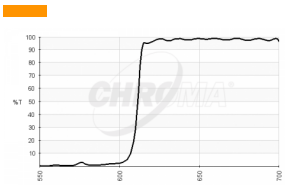


ZT594rdc

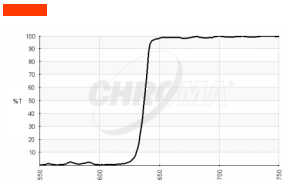
455～596nmのレーザーを反射



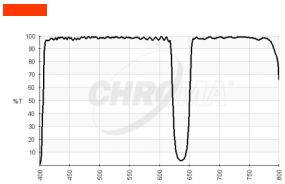
T610lpxr



T612lpxr

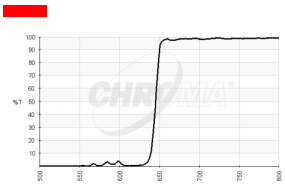


T635lpxr



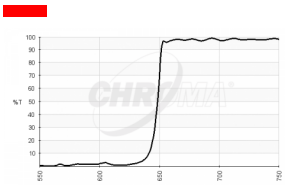
ZT635dcrb

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

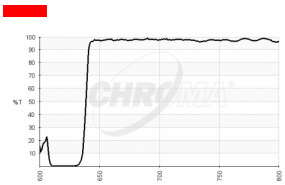


ZT633rdc

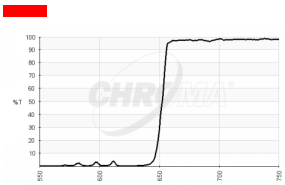
特注品です。受注生産品のため、在庫数に限りがある場合がございます。



T647lpxr

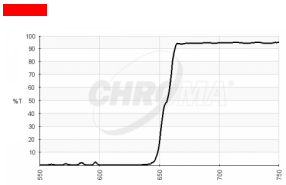


RT633rdc

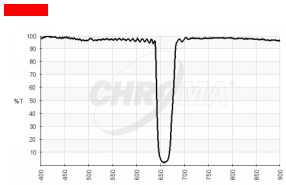


ZT640rdc

495～644nmのレーザーを反射

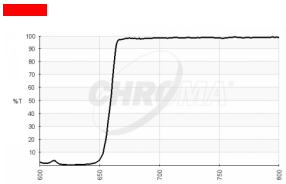


AT655DC



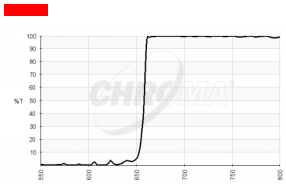
ZT656dcrb

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

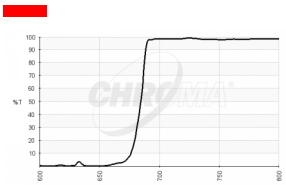


ZT647rdc

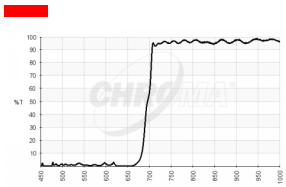
495～651nmのレーザーを反射



T660lpxr

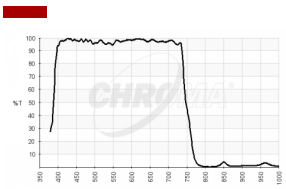


T685lpxr



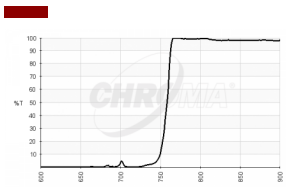
ZT670rdc-xxrxt

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

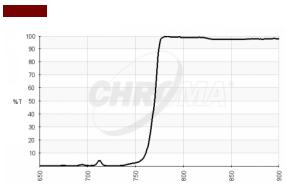


ZT775sp-2p - Multiphoton shortpass laser dichroic

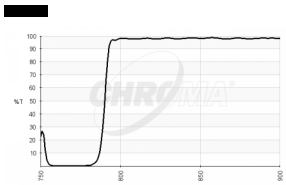
多光子ショートパスレーザーダイクロイック
775～1200 nmのレーザーを反射し、400～735 nmを透過します.



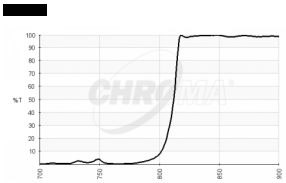
T760lpxr



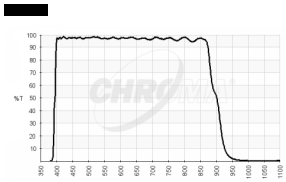
T770lpxr



RT785rdc

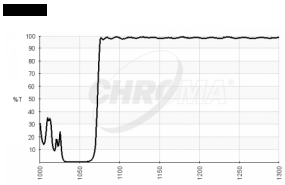


T810lpxr



ZT1064rdc-sp

950～1150nmのレーザーを反射

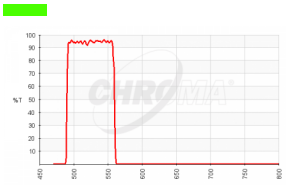


45°

RT1064rdc

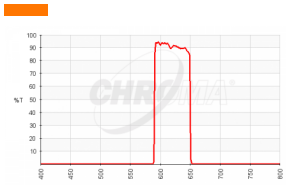
インディビデュアルフィルター / SINGLE BANDPASS AND SINGLE EDGE FILTERS

Multiphoton Applications



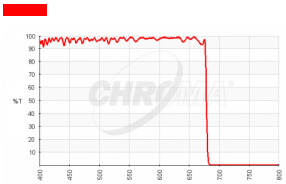
2P ET

ET525/70m-2p - Multiphoton bandpass emission filter



2P ET

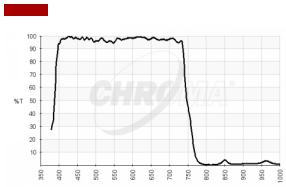
ET620/60m-2p - Multiphoton bandpass emission filter



2P ET

ET680sp-2p8 - Multiphoton shortpass emission filter

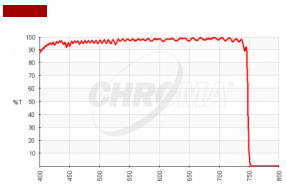
多光子ショートパス放出フィルター、680～1064nmの平均 OD8で多光子レーザーをブロックし、400～670nmで平均透過率 95%です。



2P ET 45°

ZT775sp-2p - Multiphoton shortpass laser dichroic

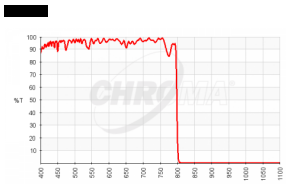
多光子ショートパスレーザーダイクロイック
775～1200 nmのレーザーを反射し、400～735 nmを透過します.



2P ET

ET750sp-2p8 - Multiphoton shortpass emission filter

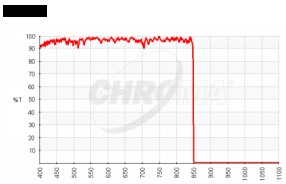
多光子ショートパス放出フィルター、780～1064nmの平均 OD8で多光子レーザーをブロックし、400～745nmで平均透過率 95%です。



2P ET

ET800sp-2p/1350 - Multiphoton shortpass emission filter

多光子ショートパス放出フィルター、830～1064nmの平均 OD8で多光子レーザーをブロックし、400～790nmで平均透過率 95%です。



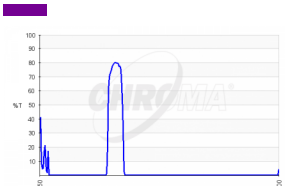
2P ET

ET850sp-2p - Multiphoton shortpass emission filter

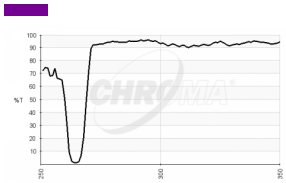
多光子ショートパス放出フィルター、880～1064nmの平均 OD8で多光子レーザーをブロックし、400～845nmで平均透過率 95%です。

インディビデュアルフィルター / SINGLE BANDPASS AND SINGLE EDGE FILTERS

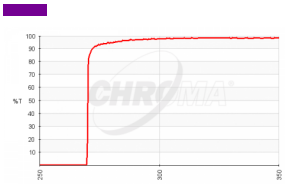
Raman Applications



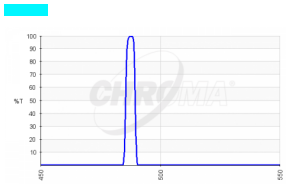
RET266/3x



RT266rdc

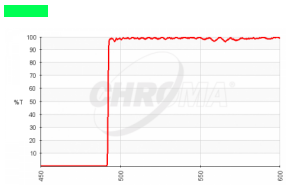


RET270lp

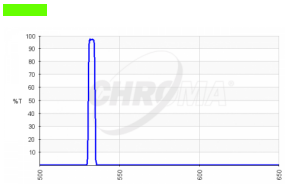


RET488/4x

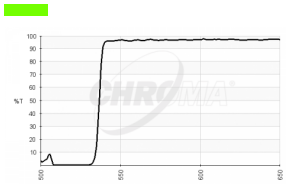
RT488rdc



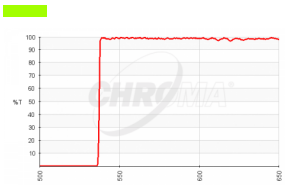
RET493lp



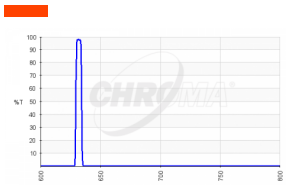
RET532/4x



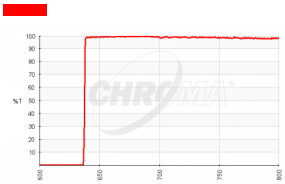
RT532rdc



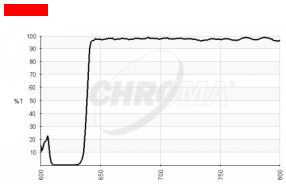
RET537lp



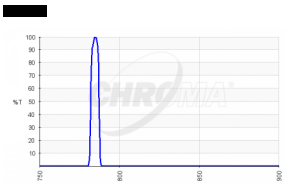
RET633/5x



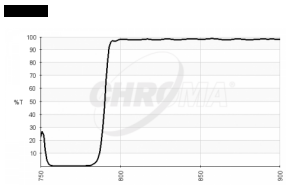
RET638lp



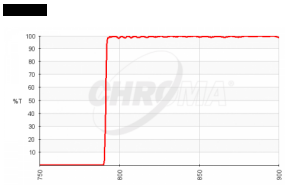
RT633rdc



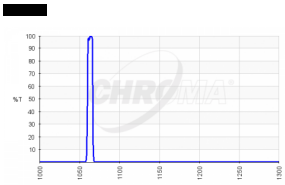
RET785/6x



RT785rdc



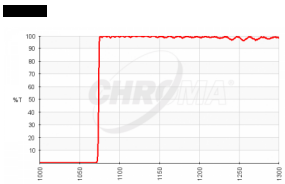
RET792lp



RET1064/7x

45°

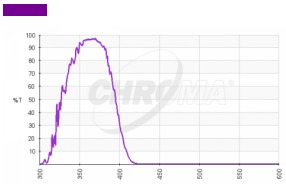
RT1064rdc



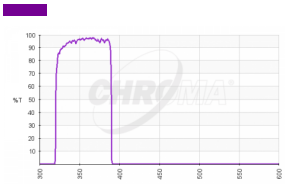
RET1072lp

インディビデュアルフィルター / SINGLE BANDPASS AND SINGLE EDGE FILTERS

Astronomy Applications

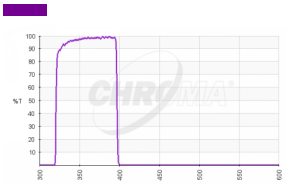


27060 - Classic U-Bessell



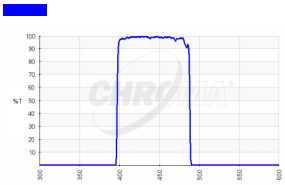
27055 - Sloan-u

Sloan ugrizシリーズのUV測光用フィルター、耐久性のある高透過率のスパッタコーティング



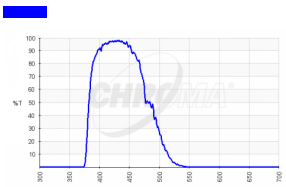
27050 - U-Bessell

UVBRIシリーズのUV測光用フィルター、耐久性のある高透過率のスパッタコーティング

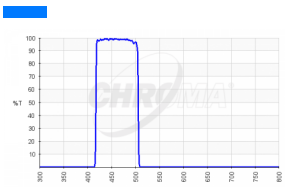


27052 - B-Bessell

UVBRIシリーズの青測光用フィルター、耐久性のある高透過率のスパッタコーティング

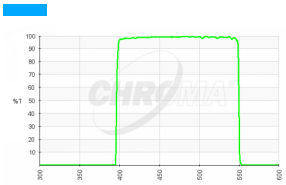


27061 - Classic B-Bessell



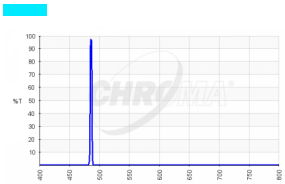
27043 - Blue

RGBセットで演色を強化するための青フィルター



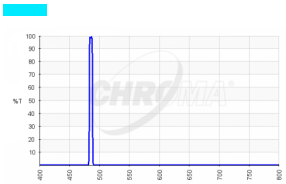
27056 - Sloan-g

Sloan ugrizシリーズの緑測光用フィルター、耐久性のある高透過率のスパッタコーティング



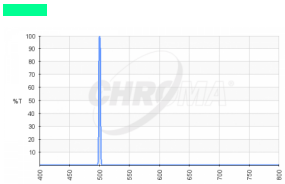
27004 - H-beta 3nm Bandpass

Hβフィルターは、星雲やイオン化された水素が豊富なオブジェクトのイメージングにも役立ちます。 486.1 nmでは、Hβ線を近くの青と緑のスペクトル線から分離するために狭帯域フィルターが必要です。 Hα線よりも弱いですが、Hαのより長い赤の波長は目で検出することが難しいため、これはしばしば視覚的検出用に使用されます。



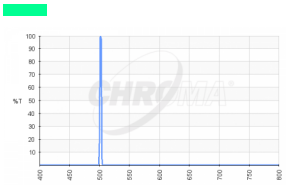
27005 - H-beta 5nm Bandpass

Hβフィルターは、星雲やイオン化された水素が豊富なオブジェクトのイメージングにも役立ちます。 486.1 nmでは、Hβ線を近くの青と緑のスペクトル線から分離するために狭帯域フィルターが必要です。 Hα線よりも弱いですが、Hαのより長い赤の波長は目で検出することが難しいため、これはしばしば視覚的検出用に使用されます。



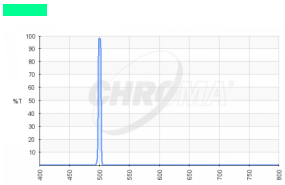
27006 - OIII 3nm Bandpass

OIIIフィルターは、二重イオン化酸素の500.7 nmの一次輝線を分離します。Hαの後で、これは星雲をイメージングするときに次に一般的な放射です。



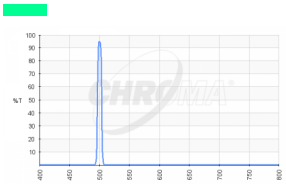
27066 - OIII 3nm Bandpass optimized for f/2.8-f/3.6

OIII フィルターは、二重イオン化酸素の 500.7nm の一次輝線を分離します。H-アルファに次いで、星雲を撮影する際によく見られる放射です。f/3.0 フィルターは、スペクトル シフトを最小限に抑え、f/3.0 ビームで形状をより適切に保持するように設計されています。



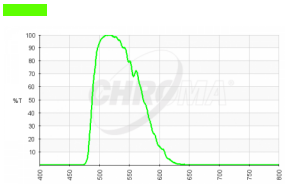
27007 - OIII 5nm Bandpass

OIIIフィルターは、二重イオン化酸素の500.7 nmの一次輝線を分離します。Hαの後で、これは星雲をイメージングするときに次に一般的な放射です。

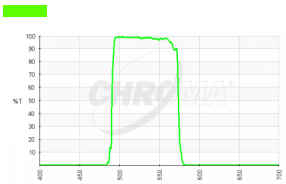


27008 - OIII 8nm Bandpass

OIIIフィルターは、二重イオン化酸素の500.7 nmの一次輝線を分離します。Hαの後で、これは星雲をイメージングするときに次に一般的な放射です。

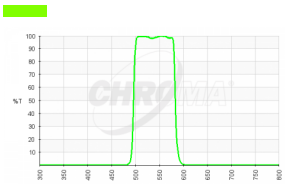


27062 - Classic V-Bessell



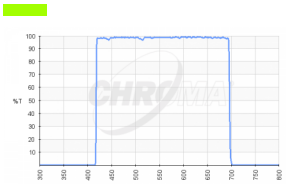
27051 - V-Bessell

UVBRIシリーズの緑（可視）測光用フィルター、耐久性のある高透過率のスパッタコーティング



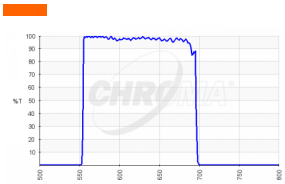
27042 - Green

RGBセットで演色を強化するための緑フィルター



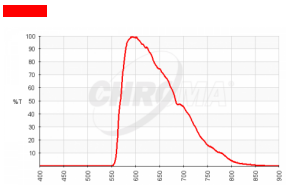
27040 - Lum

RGBセットで演色を強化するための輝度フィルター

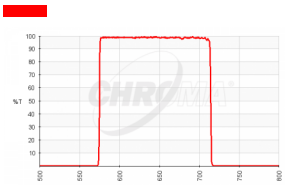


27057 - Sloan-r

Sloan ugrizシリーズの赤測光用フィルター、耐久性のある高透過率のスパッタコーティング

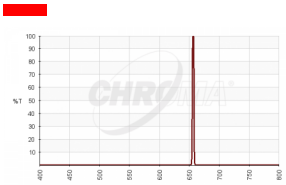


27063 - Classic R-Bessell



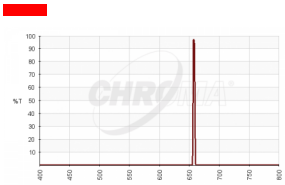
27053 - R-Bessell

UVBRIシリーズの赤測光用フィルター、耐久性のある高透過率のスパッタコーティング



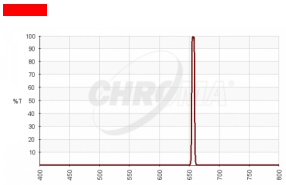
27001 - H-alpha 3nm Bandpass

Hα フィルターは、星雲やイオン化された水素が豊富なその他のオブジェクトのイメージングに不可欠です。 656.3 nmでは、Hα線をSIIダブレット（671.6 nmおよび673.1 nm）から分離するために狭帯域フィルターが必要です。



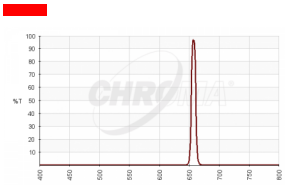
27065 - H-alpha 3nm Bandpass optimized for f/2.8-f/3.6

Hα フィルターは、星雲やイオン化された水素が豊富なその他のオブジェクトのイメージングに不可欠です。656.3 nmでは、Hα線をSIIダブレット（671.6 nmおよび673.1 nm）から分離するために狭帯域フィルターが必要です。f/3.0 フィルターは、スペクトル シフトを最小限に抑え、f/3.0 ビームで形状をより適切に保持するように設計されています。



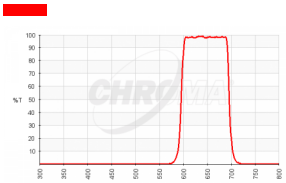
27002 - H-alpha 5nm Bandpass

Hα フィルターは、星雲やイオン化された水素が豊富なその他のオブジェクトのイメージングに不可欠です。 656.3 nmでは、Hα線をSIIダブレット（671.6 nmおよび673.1 nm）から分離するために狭帯域フィルターが必要です。



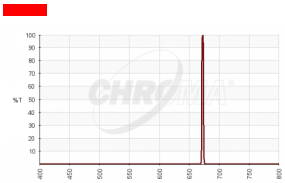
27003 - H-alpha 8nm Bandpass

Hα フィルターは、星雲やイオン化された水素が豊富なその他のオブジェクトのイメージングに不可欠です。 656.3 nmでは、Hα線をSIIダブレット（671.6 nmおよび673.1 nm）から分離するために狭帯域フィルターが必要です。



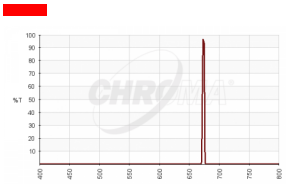
27041 - Red

RGBセットで演色を強化するための赤フィルター



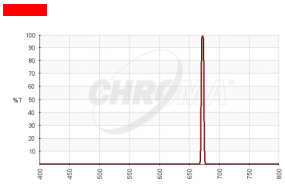
27009 - SII 3nm Bandpass

SIIフィルターは、単一のイオン化された硫黄原子のスペクトル放射を分離し、これは星雲でも一般的です。放射は、671.6 nmと673.1 nmで、ダブレットとして発生する2つの線で発生します。 このフィルターは、硫黄放出をHα放射（656.3nm）からも分離します。



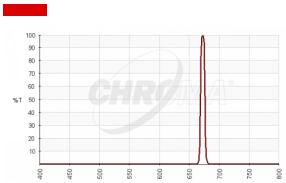
27067 - SII 3nm Bandpass optimized for f/2.8-f/3.6

SII フィルターは、星雲で一般的な単一イオン化硫黄原子のスペクトルを分離します。発光はダブレットとして発生する 671.6 nm と 673.1 nm の2 つのラインにあります。
f/3.0 フィルターは、スペクトル シフトを最小限に抑え、f/3.0 ビームで形状をより適切に保持するように設計されています。このフィルターは、H-α 発光 (656.3nm) から硫黄発光を分離します。



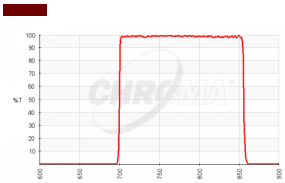
27010 - SII 5nm Bandpass

SIIフィルターは、単一のイオン化された硫黄原子のスペクトル放射を分離し、これは星雲でも一般的です。放射は、671.6 nmと673.1 nmで、ダブレットとして発生する2つの線で発生します。 このフィルターは、硫黄放出をHα放射（656.3nm）からも分離します。



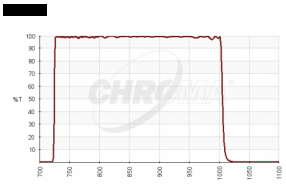
27011 - SII 8nm Bandpass

SIIフィルターは、単一のイオン化された硫黄原子のスペクトル放射を分離し、これは星雲でも一般的です。放射は、671.6 nmと673.1 nmで、ダブレットとして発生する2つの線で発生します。 このフィルターは、硫黄放出をHα放射（656.3nm）からも分離します。



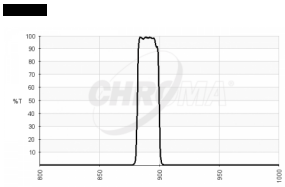
27058 - Sloan-i

Sloan ugrizシリーズの赤外測光用フィルター、耐久性のある高透過率のスパッタコーティング



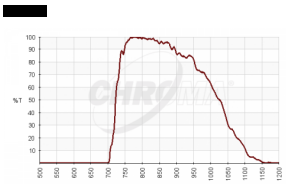
27054 - I-Bessell

UVBRIシリーズの近赤外測光用フィルター、耐久性のある高透過率のスパッタコーティング

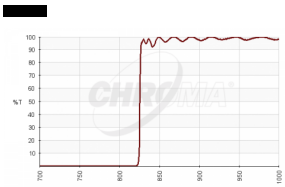


27012 - Jovian Methane

メタン吸収帯フィルターです。このフィルターは、かなりのレベルのメタンを含むオブジェクトをイメージングするときにコントラストを高めます。木星の惑星の大気などのメタンに富む成分はより暗く見えます。

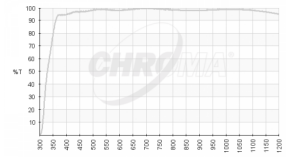


27064 - Classic I-Bessell



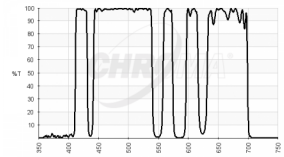
27059 - Sloan-z

Sloan ugrizシリーズの赤外測光用フィルター、耐久性のある高透過率のスパッタコーティング



27044 - Clear

クリアフィルター

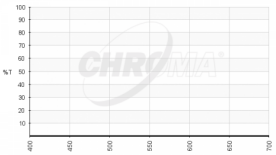


27030 - LoGlow Light Pollution

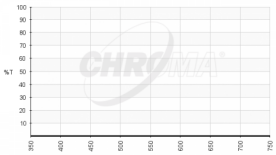
光源からの一般的なスペクトル線を遮断します。 このフィルターは、可視光スペクトルのバランスの取れた色を提供すると同時に、スカイグローに影響を与えるメタルハライドおよび蒸気ランプ光源からのほとんどの放射を遮断します。

インディビデュアルフィルター / SINGLE BANDPASS AND SINGLE EDGE FILTERS

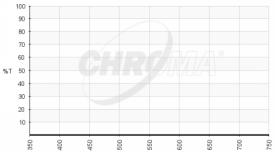
Neutral Density Filters



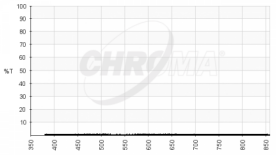
ND 5.0 - .001% Trans V2 - 0.001% transmission



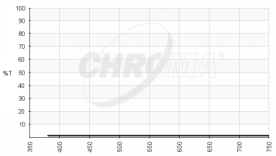
ND 4.0 - .01% Trans V2 - 0.01% transmission



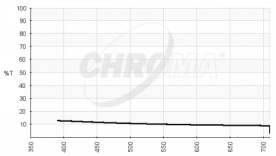
ND 3.0 - .1% Trans V2 - 0.1% transmission



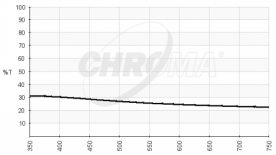
ND 2.5 - .3% Trans V2 - 0.3% transmission



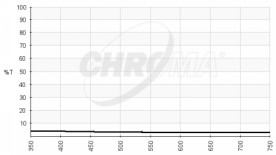
ND 2.0 - 1% Trans V2 - 1.0% transmission



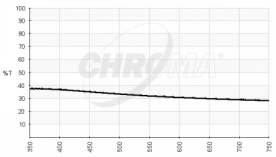
ND 1.0 - 10% Trans V2 - 10.0% transmission



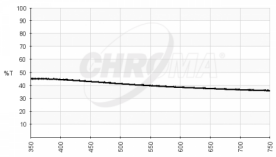
ND 0.6 - 25% Trans V2 - 25.0% transmission



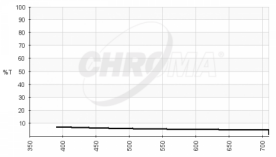
ND 1.5 - 3% Trans V2 - 3.0% transmission



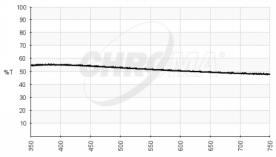
ND 0.5 - 32% Trans V2 - 32.0% transmission



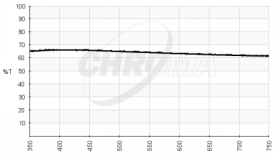
ND 0.4 - 40% Trans V2 - 40.0% transmission



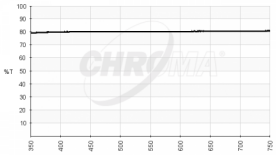
ND 1.3 - 5% Trans V2 - 5.0% transmission



ND 0.3 - 50% Trans V2 - 50.0% transmission



ND 0.2 - 63% Trans V2 - 63.0% transmission



ND 0.1 - 80% Trans V2 - 80.0% transmission

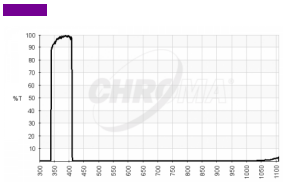
インディビデュアルフィルター / SINGLE BANDPASS AND SINGLE EDGE FILTERS

Polarizers

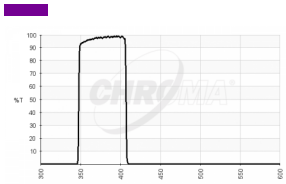
21003 - Polarizer - Polarizer

インディビデュアルフィルター / SINGLE BANDPASS AND SINGLE EDGE FILTERS

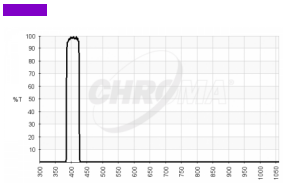
Machine Vision



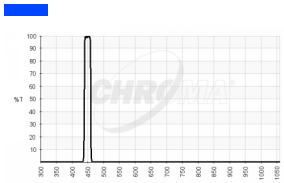
MV375/70 - UV Vision Filter



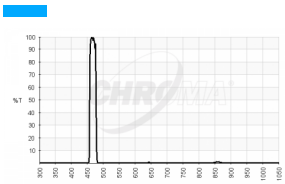
MV380/60 - UV Vision Filter



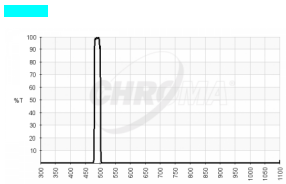
MV405/40 - Violet Vision Filter



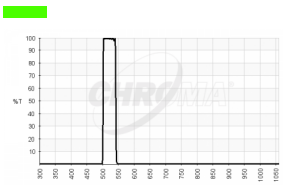
MV450/20 - Narrow Indigo Vision Filter



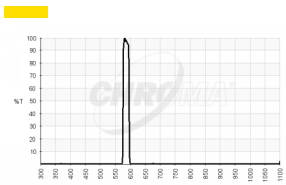
MV470/20 - Narrow Blue Vision Filter



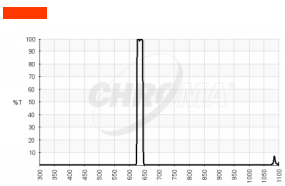
MV490/20 - Narrow Blue Vision Filter



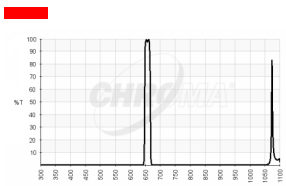
MV525/40 - Green Vision Filter



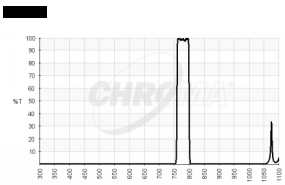
MV590/20 - Narrow Orange Vision Filter



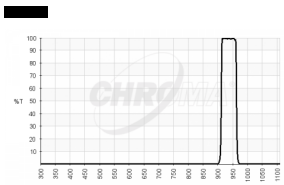
MV635/20 - Narrow Red Vision Filter



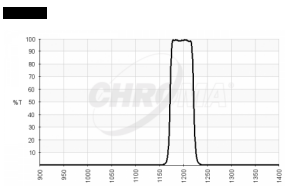
MV660/20 - Narrow Dark Red Vision Filter



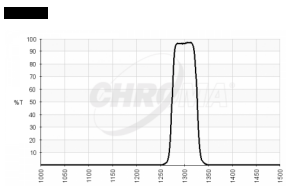
MV785/40 - 785nm NIR Vision Filter



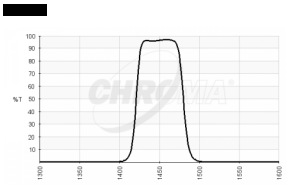
MV940/50 - 940nm NIR Vision Filter



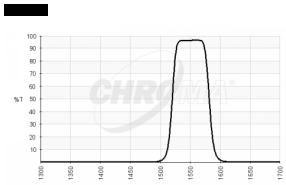
MV1200/50 - 1200nm NIR Vision Filter



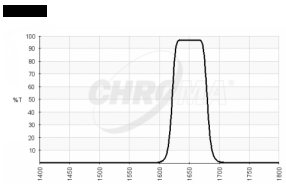
MV1300/50 - 1300nm NIR Vision Filter



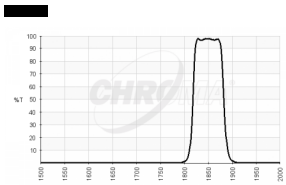
MV1450/60 - 1450nm NIR Vision Filter



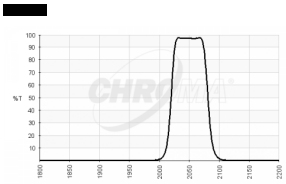
MV1550/60 - 1550nm NIR Vision Filter



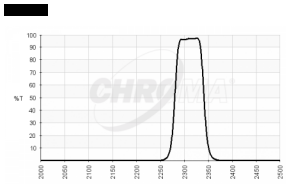
MV1650/60 - 1650nm NIR Vision Filter



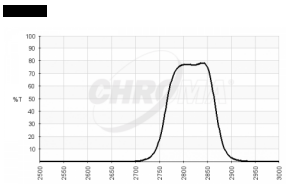
MV1850/60 - 1850nm NIR Vision Filter



MV2050/60 - 2050nm NIR Vision Filter



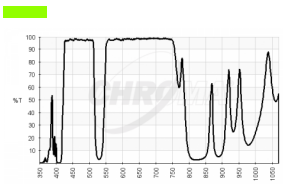
MV2310/60 - 2310nm NIR Vision Filter



MV2800/100 - 2800nm NIR Vision Filter

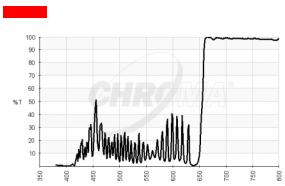
インディビデュアルフィルター / MULTI BANDPASS AND MULTI DICHROIC FILTERS

Multi Band Dichroic Beamsplitters



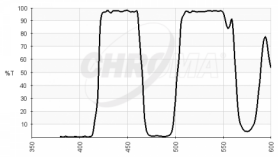
ZT405/532rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

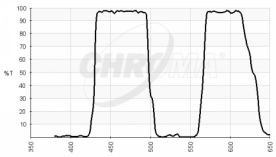


ZT405/642rpc

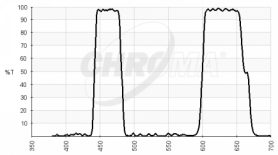
特注品です。受注生産品のため、在庫数に限りがある場合がございます。



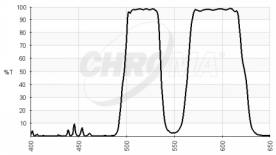
59001bs



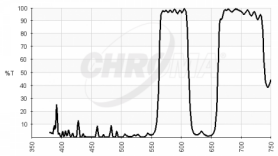
59002bs



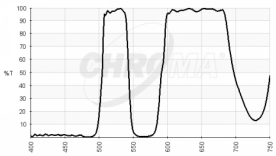
59003bs



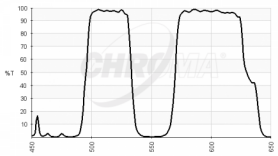
59004bs



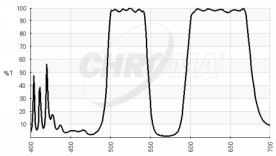
59007bs



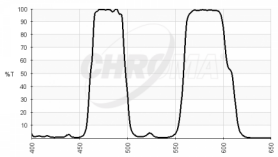
59009bs



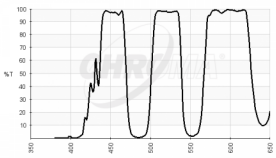
59012bs



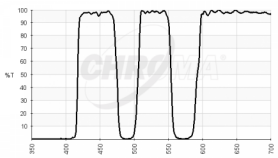
59022bs



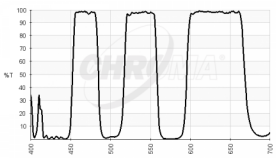
59033bs



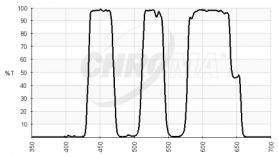
69000bs



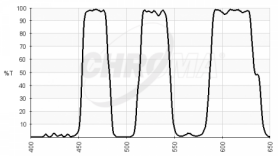
69002bs



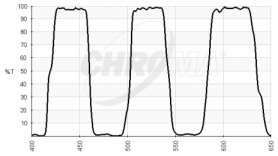
69008bs



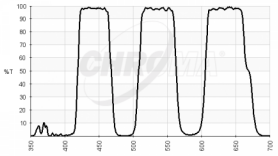
69010bs



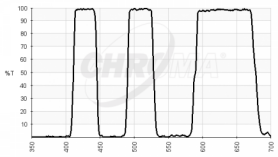
69011bs



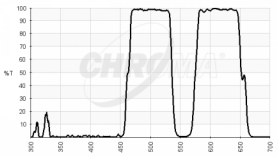
69013bs



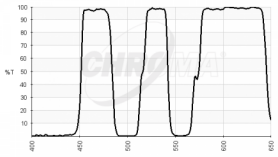
69015bs



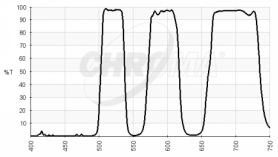
69401bs



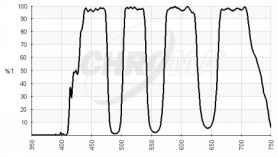
79003bs



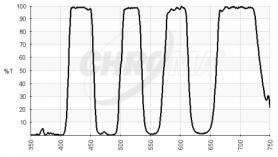
89007bs



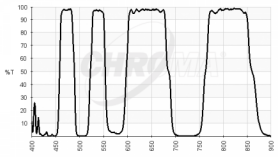
89016bs



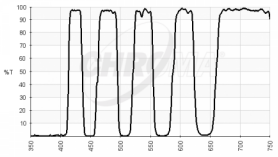
89100bs



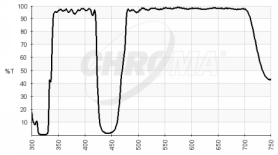
89402bs



89403bs

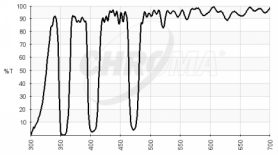


89903bs



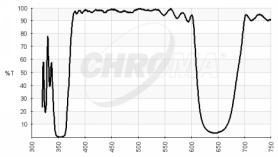
ZT325/442rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



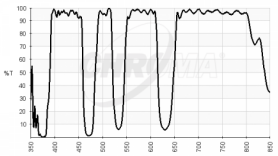
ZT355/405/473rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



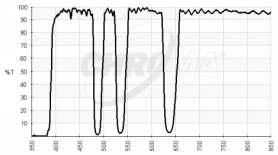
ZT355/650rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



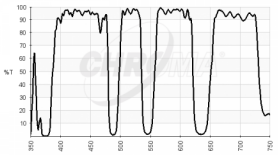
ZT375/473/532/635rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



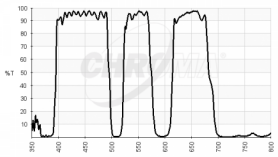
ZT375/488/532/635rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



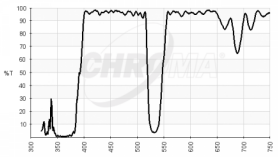
ZT375/488/543/633rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



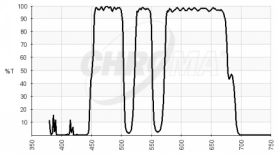
ZT375/514/594rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



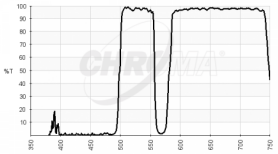
ZT375/532rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



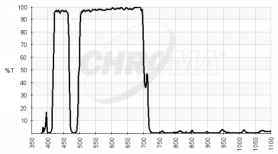
ZT405-440/514/561rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



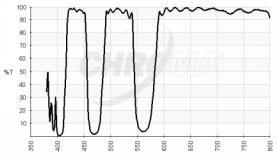
ZT405-488/568rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



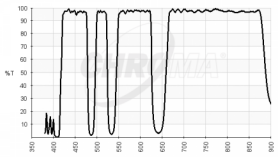
ZT405/473-491/NIRrpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



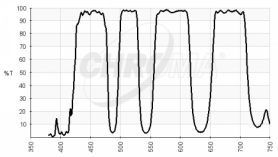
ZT405/473/561rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



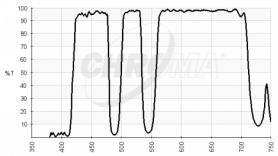
ZT405/488/532/640rpc-XT

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



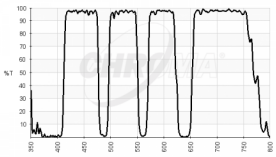
ZT405/488/543/640rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



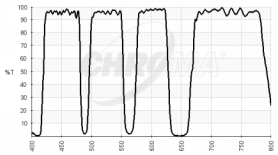
ZT405/488/543rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



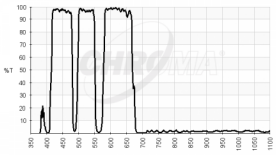
ZT405/488/561/640rpcv2

380～410nm、482～493nm、556～566nmおよび630～647nmのレーザーを反射します。



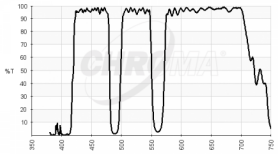
ZT405/488/561/647rpc

380～414nm、485～492nm、558～568nmおよび638～659nmのレーザーを反射します。



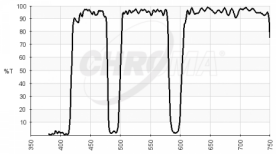
ZT405/488/561/680-1100rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

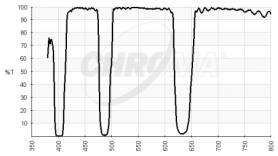


ZT405/488/561rpc

400～414nm、483～493nm、556～566nmのレーザーを反射します。

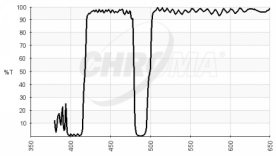


ZT405/488/594rpc



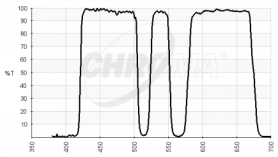
ZT405/488/635rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



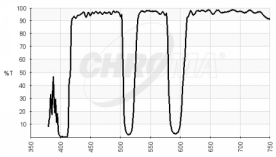
ZT405/488rpc

400～412nmと484～492nmのレーザーを反射します。



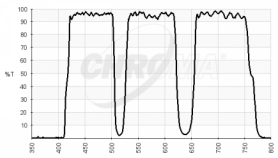
ZT405/514/561rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



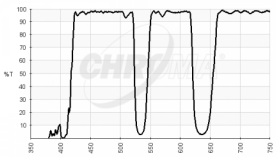
ZT405/514/594rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



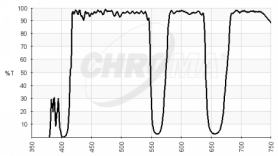
ZT405/514/635rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



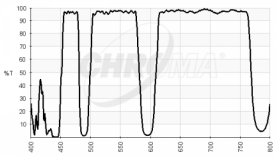
ZT405/532/635rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



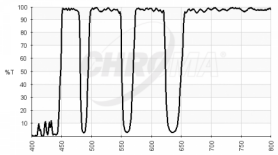
ZT405/561/657rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



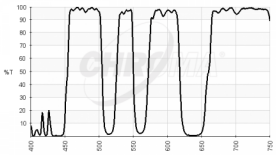
ZT440-445/488-491/594 rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



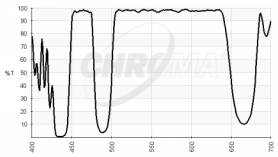
ZT440/488/561/635rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



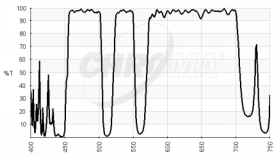
ZT440/514/561/640rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

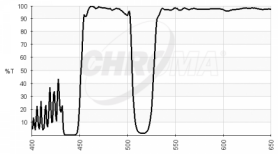


ZT442/488rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

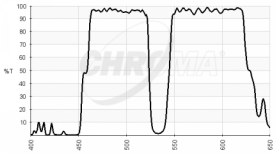


ZT442/514/561rpc



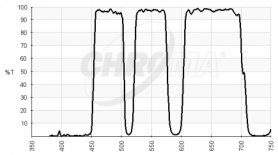
ZT442/514rpc

434～447nmと510～520nmのレーザーを反射します。

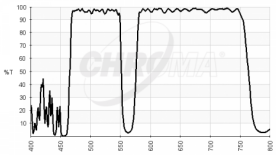


ZT442/532rpc

435～450nmと529～538nmのレーザーを反射します。

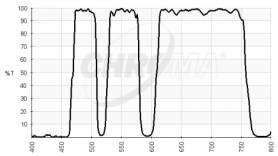


ZT445/514/594rpc



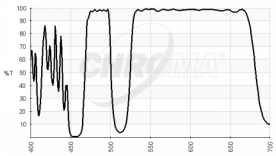
ZT457/561rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



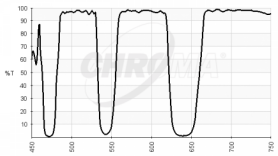
ZT458/514/594rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



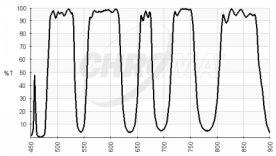
ZT458/514rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



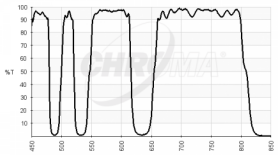
ZT473/543/640rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



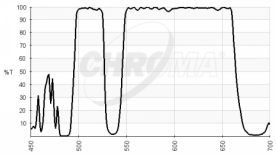
ZT473/546/633/700/780rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



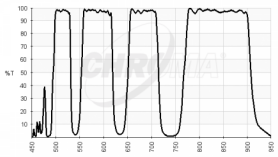
ZT488/532/633/830/1064rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



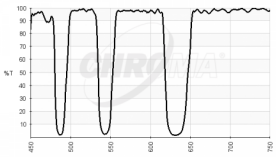
ZT488/532rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



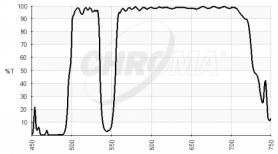
ZT488/543/635/730rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



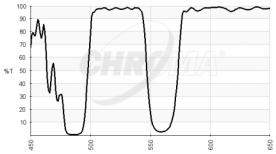
ZT488/543/635rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



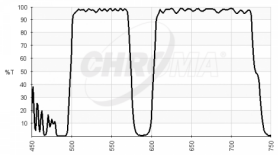
ZT488/543rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



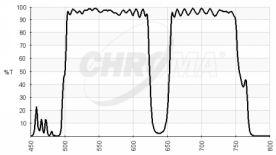
ZT488/561rpc

482～493nmと555～566nmのレーザーを反射します。



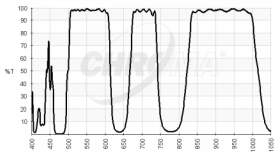
ZT488/594rpc

483～493nmと582～597nmのレーザーを反射します。



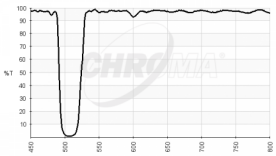
ZT488/640rpc

480～494nmと633～647nmのレーザーを反射します。



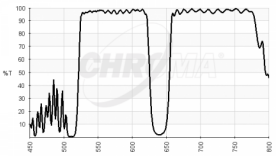
ZT488/647/780rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



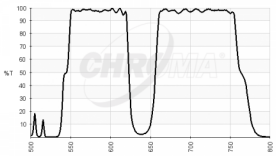
ZT514/1064rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



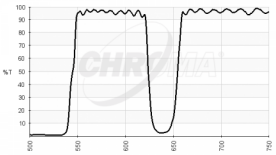
ZT514/640rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



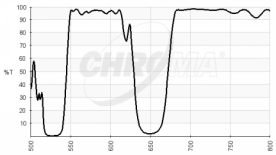
ZT532/640/NIR_rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



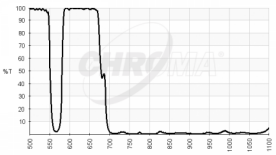
ZT532/640rpc

500～538nmと633～647nmのレーザーを反射します。



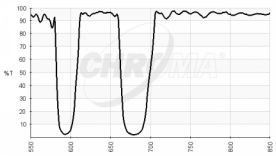
ZT532/660rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



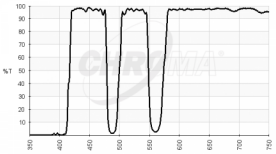
ZT568/700-1100rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。



ZT594/680rpc

特注品です。受注生産品のため、在庫数に限りがある場合がございます。

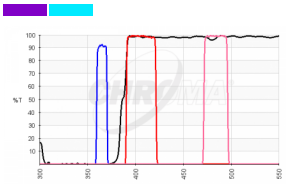


ZTUV-405/488/561rpc

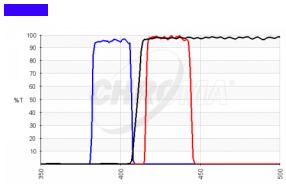
特注品です。受注生産品のため、在庫数に限りがある場合がございます。

コンプリートフィルターセット / SINGLE BAND & LONGPASS & SHORTPASS FILTER SETS

Fluorescence Filter Sets

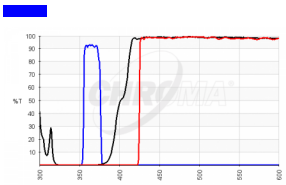


79006 - ET - INDO

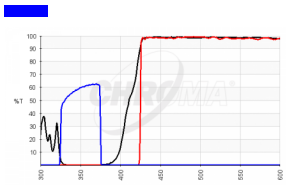


49027 - ET - Brilliant™ Violet 421, Alexa Fluor 405

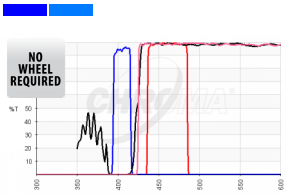
This narrow-band filter set is intended for very bright fluorochromes such as BD Horizon Brilliant™ Violet 421. It is sufficiently narrow to allow spectral separation from cyan fluors such as BD Horizon Brilliant™ Violet 480, cyan fluorescent proteins and Aqua FISH probes. This set is also useful for detecting DAPI. DAPI will appear violet instead of blue.



49915 - ET - 355-375nm Laser Longpass Set for Uncaging and Ablation

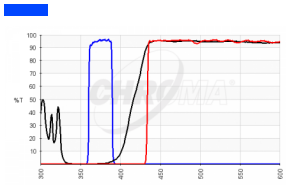


49025 - ET - DAPI/FluoroGold Longpass

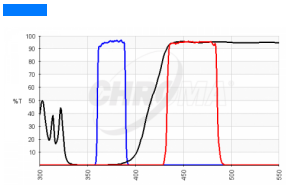


TRF49901 - ET - 405nm Laser Bandpass Set for TIRF applications

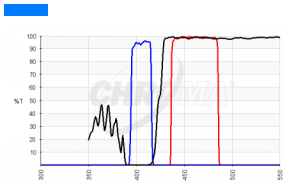
For use with lasers between 400-410nm
Set includes additional longpass emission filter paired with bandpass emission filter in filter cube for greatly increased attenuation of TIRF lasers.



19000 - AT - UV/DAPI Longpass

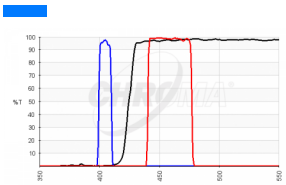


39000 - AT - DAPI/Hoechst/AlexaFluor 350



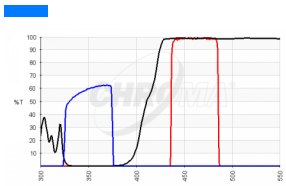
49901 - ET - 405nm Laser Bandpass Set for EBFP2, TagBFP, Pacific Blue

For use with lasers between 400-410nm

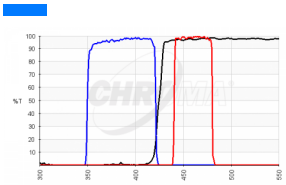


49301 - ET - Blue FISH

Ideal for use with commercially available Blue FISH probes and chromosome painting techniques.

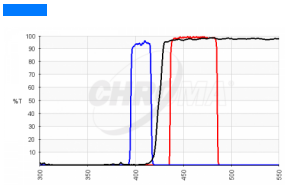


49000 - ET - DAPI



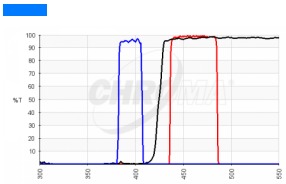
49053 - ET - DAPI for 355-405nm LEDs

Optimized for use with CoolLED light engines.
This set features a wide band excitation filter which is compatible with a broad range of LEDs with peaks between 355-405nm, intended for fluorophores such as DAPI. This set is intended for use with LEDs. If instead, it is used with a broad white light source such as a mercury or metal halide lamp, the excitation filter will transmit very high levels of light to the sample.

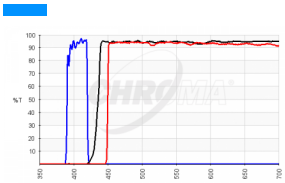


49021 - ET - EBFP2/Coumarin/Attenuated DAPI

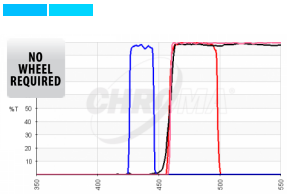
Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



49028 - ET - DAPI for 395nm light sources

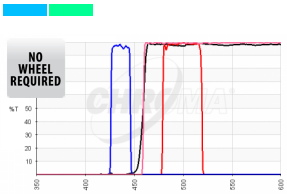


19011 - AT - Coumarin/Pacific Blue Longpass



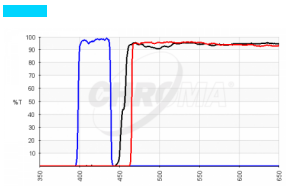
TRF49902 - ET - 440nm Laser Bandpass Set for TIRF applications

For use with lasers between 430-445nm
Set includes additional longpass emission filter paired with bandpass emission filter in filter cube for greatly increased attenuation of TIRF lasers.

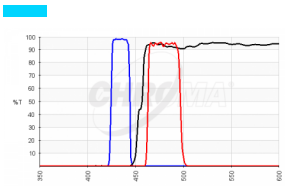


TRF49903 - ET - 440nm Laser Bandpass Set for TIRF applications

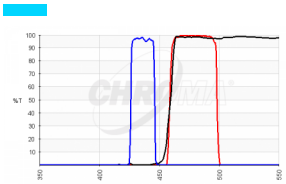
For use with lasers between 430-445nm
Set includes additional longpass emission filter paired with bandpass emission filter in filter cube for greatly increased attenuation of TIRF lasers.



19001 - AT - Aqua Longpass

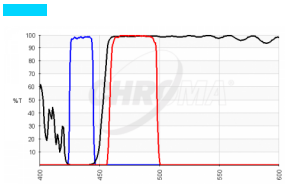


39001 - AT - ECFP/Cerulean



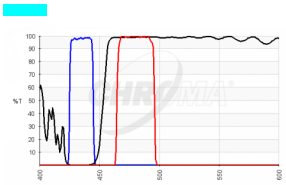
49902 - ET - 440nm Laser Bandpass Set for ECFP, Cerulean

For use with lasers between 430-445nm



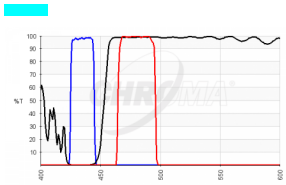
49001 - ET - ECFP

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



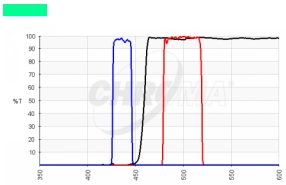
49032 - ET - Brilliant™ Violet 480

This narrow-band filter set is intended for very bright fluorochromes such as BD Horizon Brilliant™ Violet 480 (BV 480). When used with BV480, it is sufficiently narrow to allow spectral separation from green fluors such as Alexa fluor 488, FITC, GFP and green FISH probes, as well as separation from violet fluors such as Brilliant Violet™ 421.



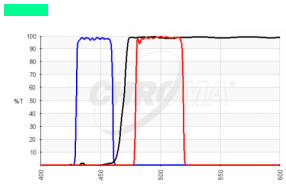
49302 - ET- Aqua FISH

Ideal for use with commercially available Aqua FISH probes and chromosome painting techniques. Also ideal for use with Brilliant Violet 480 when multiplexing 4 or more colors.

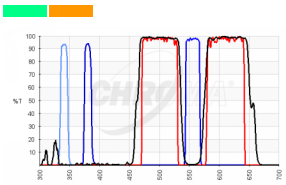


49903 - ET - 440nm Laser Bandpass Set for TFP (Teal FP)

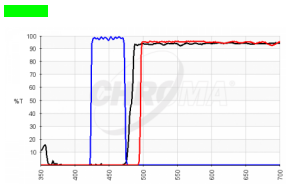
For use with lasers between 430-445nm



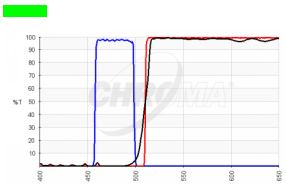
49013 - ET - TFP (Teal FP)



79003 - ET - Fura 2/TRITC

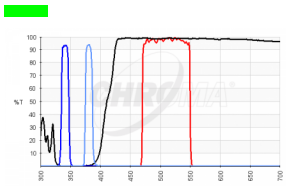


19008 - AT - Auramine Longpass



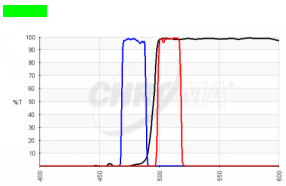
49012 - ET - FITC/EGFP Longpass

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.

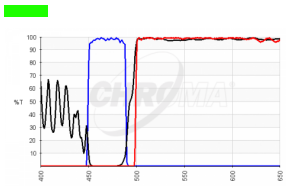


79001 - ET - Fura 2

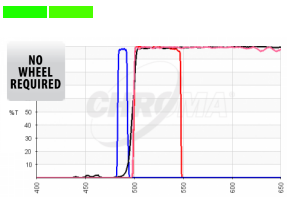
Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



49020 - ET - Narrow Band EGFP to Minimize Autofluorescence

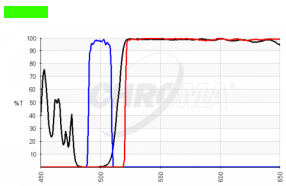


49018 - ET - EGFP Longpass



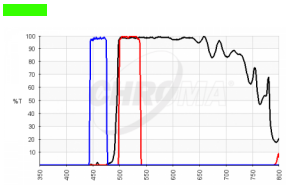
TRF49904 - ET - 488nm Laser Bandpass Set for TIRF applications

For use with lasers between 485-491nm
Set includes additional longpass emission filter paired with bandpass emission filter in filter cube for greatly increased attenuation of TIRF lasers.



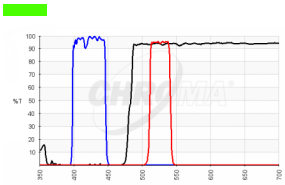
49029 - ET - EYFP Longpass

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.

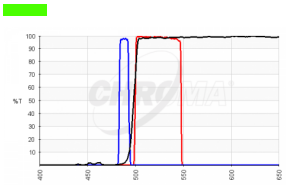


49054 - ET - GFP for 455-465nm LEDs

Optimized for use with CoolLED light engines.
This set features an excitation filter which is shifted to slightly shorter wavelengths to be most compatible with blue LEDs with peaks between 455-465nm. GFP will be brighter compared with more standard sets that transmit 470-490nm LEDs.

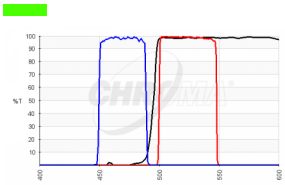


39101 - AT- Qdot 525



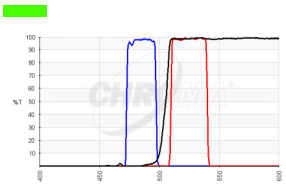
49904 - ET - 488nm Laser Bandpass Set for EGFP, AlexaFluor488, FITC, Fluo3

For use with lasers between 485-491nm



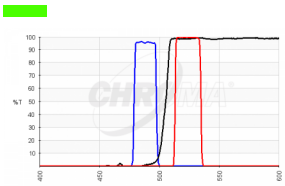
49002 - ET - EGFP (FITC/Cy2)

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



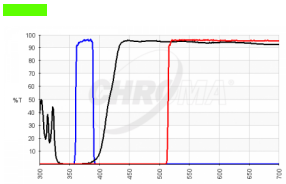
49308 - ET - Green#2 FISH

Ideal for use with commercially available Green FISH probes and chromosome painting techniques. Intended to avoid detection of Gold probes in problematic specimens. If Aqua signals are detected with this set and must be avoided, then please refer to set 49303.
Recommended to detect CL-490 in Cell IDx Four Color assay.

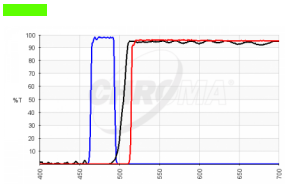


49312 - ET - Green#3 Narrow band FISH

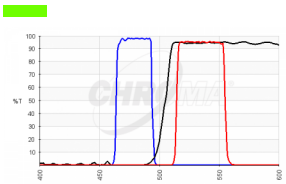
4-color FISH assays utilizing Aqua, Green, Gold & Red are becoming increasingly popular. This FISH filter set is intended for detecting Green probes and completely avoiding both Aqua and Gold probes. It is a narrow band set and Green signals will be slightly less bright, but it will isolate Green signals very well.



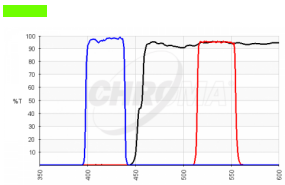
19012 - AT - FluoroGold/Calcofluor White Longpass



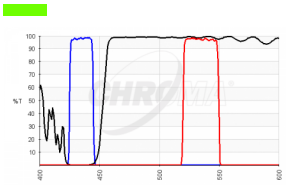
19002 - AT - GFP/FITC Longpass



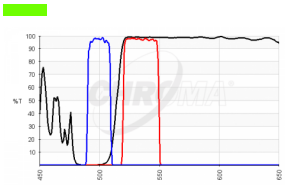
39002 - AT - EGFP/FITC/Cy2/AlexaFluor 488



39008 - AT - Lucifer Yellow/Tetracycline/AlexaFluor 430

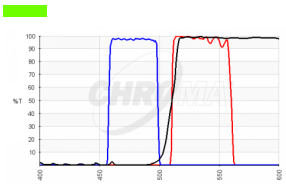


49052 - ET - ECFP/EYFP



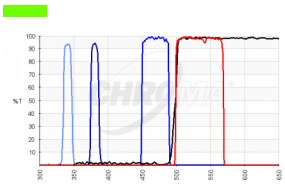
49003 - ET - EYFP

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.

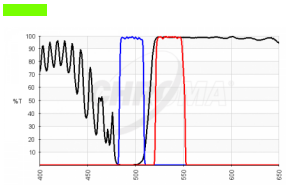


49011 - ET - FITC/Alexa Fluor 488/Fluo3/Oregon Green

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.

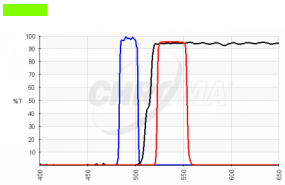


79004 - ET - Fura 2/GFP

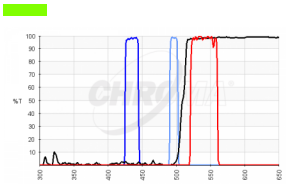


49303 - ET - Green#1 FISH

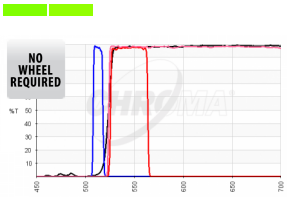
Ideal for use with commercially available Green FISH probes and chromosome painting techniques. Intended to avoid detection of Aqua probes in problematic specimens. If Gold signals are also detected with this set and must be avoided, then please refer to set 49308.



39003 - AT - EYFP/Venus/Citrine

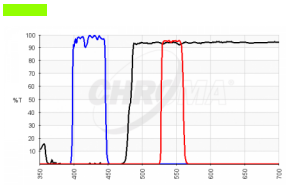


79005 - ET - BCECF

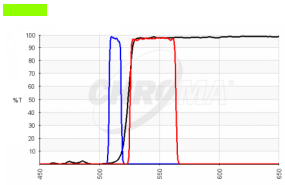


TRF49905 - ET - 514nm Laser Bandpass Set for TIRF applications

For use with lasers between 511-517nm
Set includes additional longpass emission filter paired with bandpass emission filter in filter cube for greatly increased attenuation of TIRF lasers.

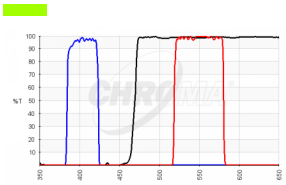


39102 - AT- Qdot 545

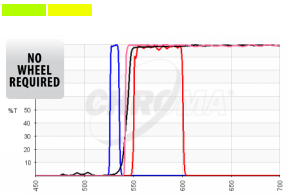


49905 - ET - 514nm Laser Bandpass Set for EYFP, Venus, Citrine, Fluo3

For use with lasers between 511-517nm

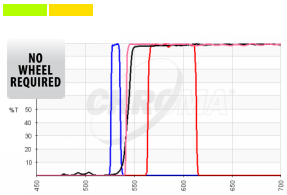


49026 - ET - Tetracycline



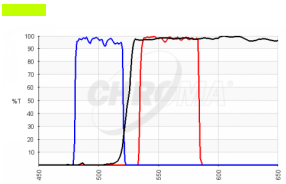
TRF49907 - ET - 532nm Laser Bandpass Set for TIRF applications

For use with lasers between 529-535nm
Set includes additional longpass emission filter paired with bandpass emission filter in filter cube for greatly increased attenuation of TIRF lasers.

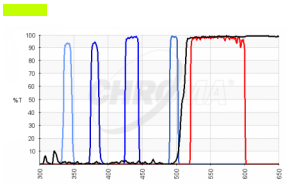


TRF49908 - ET - 532nm Laser Bandpass Set for TIRF applications

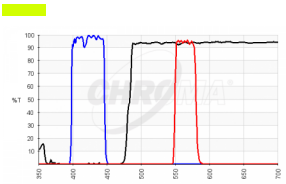
For use with lasers between 529-535nm
Set includes additional longpass emission filter paired with bandpass emission filter in filter cube for greatly increased attenuation of TIRF lasers.



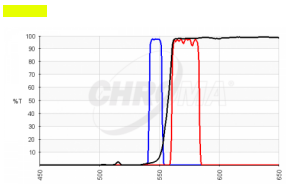
49023 - ET - AlexaFluor 514/ZsYellow/Eosin



79002 - ET - Fura 2/BCECF

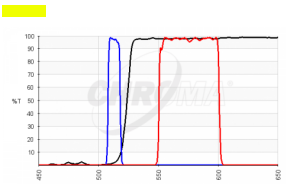


39103 - AT- Qdot 565



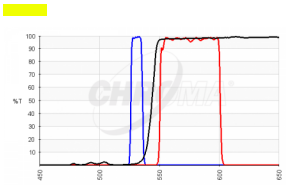
49304 - ET - Gold FISH

Ideal for use with commercially available Gold FISH probes and chromosome painting techniques. Will also detect Orange probes.



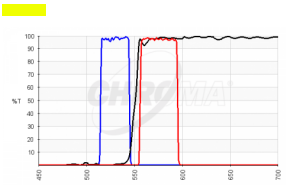
49906 - ET - 514nm Laser Bandpass Set for mKO, mOrange2

For use with lasers between 511-517nm

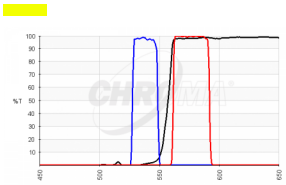


49907 - ET - 532nm Laser Bandpass Set for mKO, mOrange2

For use with lasers between 529-535nm

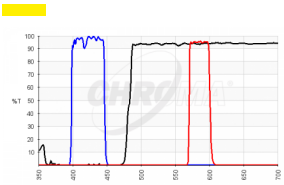


49014 - ET - mKO/mOrange

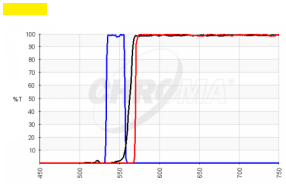


49309 - ET - Orange#2 FISH

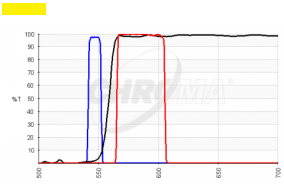
Ideal for use with commercially available Orange FISH probes and chromosome painting techniques. Provides signals intended to be less bright than those obtained with the 49305 set. Intended to balance signal intensities with Green in problematic specimens which are too bright. This set can be used equally well with both Gold and Orange probes to eliminate the need for 2 different filter sets. Gold and Orange cannot be separated in a microscope.



39104 - AT- Qdot 585



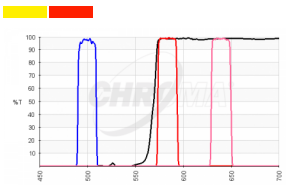
49016 - ET - Cy3/TRITC Longpass



49010 - ET - R&B Phycoerythrin/mOrange/mKO

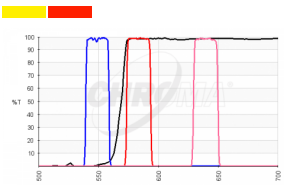
Recommended for use with mercury lamps or metal-halide lamps only.

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



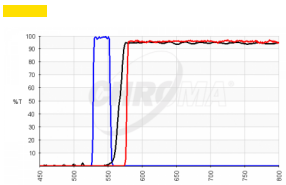
79009 - ET - SNARF with 500nm excitation

This filter set is intended for dual-emission ratiometric measurements of the SNARF family of pH indicators when excited with light in the 490-510nm wavelength range.

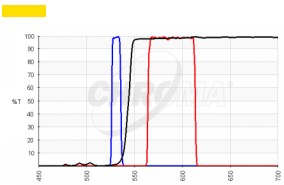


79010 - ET - SNARF with 550nm excitation

This filter set is intended for dual-emission ratiometric measurements of the SNARF family of pH indicators when excited with light in the 540-560nm wavelength range.

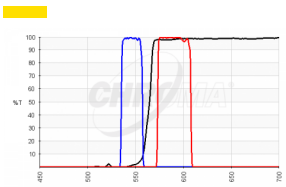


19004 - AT - TRITC/Cy3 Longpass



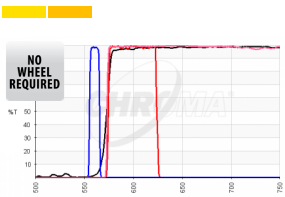
49908 - ET - 532nm Laser Bandpass Set for TagRFP, tdTomato, TRITC, Cy3, AlexaFluor 546

For use with lasers between 529-535nm



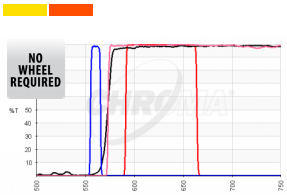
49305 - ET - Orange#1 FISH

Ideal for use with commercially available Orange FISH probes and chromosome painting techniques. Provides very bright Orange signal. Also detects Gold probes and will detect Red probes. Please refer to set 49309 to avoid detection of Red probes or to provide Orange signals which are less bright.
Recommended to detect CL-550 in Cell IDx Four Color assay.



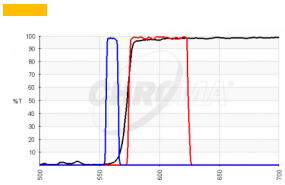
TRF49909 - ET - 561nm Laser Bandpass Set for TIRF applications

For use with lasers between 557-563nm
Set includes additional longpass emission filter paired with bandpass emission filter in filter cube for greatly increased attenuation of TIRF lasers.



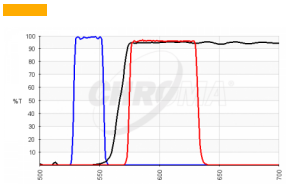
TRF49910 - ET - 561nm Laser Bandpass Set for TIRF applications

For use with lasers between 557-563nm
Set includes additional longpass emission filter paired with bandpass emission filter in filter cube for greatly increased attenuation of TIRF lasers.

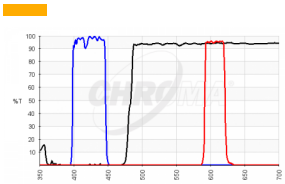


49909 - ET - 561nm Laser Bandpass Set for TagRFP, tdTomato, AlexaFluor 546, TRITC

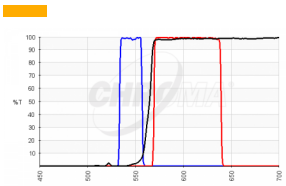
For use with lasers between 557-563nm



39004 - AT - TRITC/Cy3/TagRFP/AlexaFluor 546

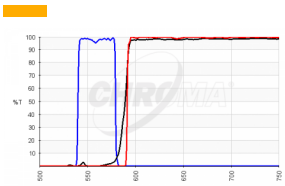


39105 - AT- Qdot 605

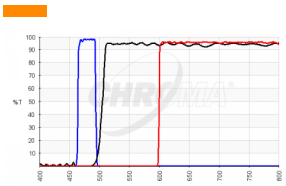


49004 - ET - CY3/TRITC

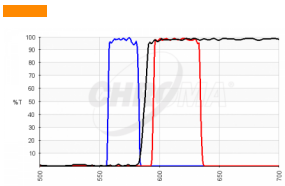
Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



49017 - ET - mCherry/Texas Red Longpass

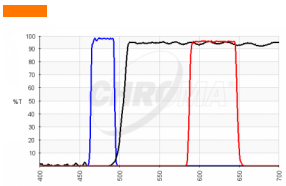


19010 - AT - FM 1-43/Chlorophyll Longpass

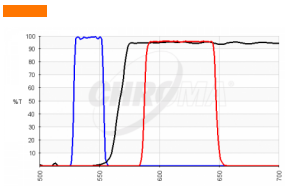


49031 - ET - Alexa Fluor 568, Cy3.5

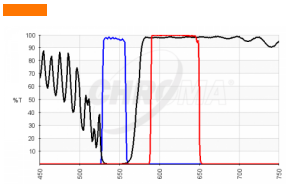
This is a narrow-band filter set intended for applications where multiple fluorochromes are present in a sample and spectral separation from neighboring fluorochromes is essential. The 49008 set will provide a brighter signal, but may provide less effective spectral separation.



39009 - AT - Acridine Orange/Di-8-ANEPPS

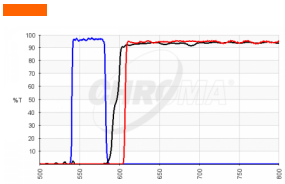


39005 - AT - TRITC-red-shifted

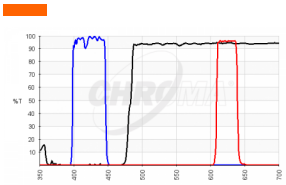


49005 - ET - DSRed (TRITC/Cy3)

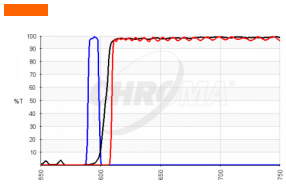
Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



19006 - AT - Texas Red Longpass

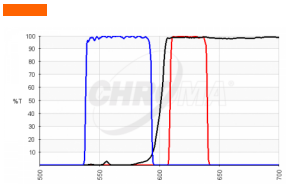


39106 - AT- Qdot 625



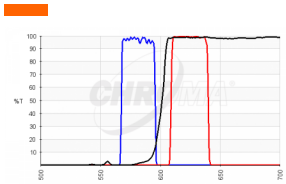
49912 - ET - 594nm Laser Longpass Set for AlexaFluor 594, mKate2, TurboFP650, NirFP

For use with lasers between 591-596nm



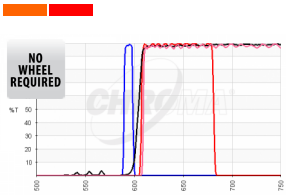
49056 - ET - Narrow mCherry/Texas Red for 540-580nm LEDs

Optimized for use with CoolLED light engines.
This set features a wide band excitation filter which transmits a broad range of the relatively weaker LEDs with peaks between 540-580nm. Useful for fluorophores related to rhodamine, Cy3 and fluorescent proteins with similar emission spectra. This set is specifically intended to avoid detection of CY5/AF647 and similar fluors if present in the same sample.



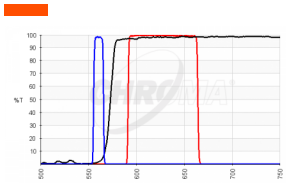
49306 - ET - Red#1 FISH

Ideal for use with commercially available Red FISH probes and chromosome painting techniques. Provides very bright Red signals Will also detect Orange, and to a lesser extent will also detect Gold signals. Please refer to set 49310 to avoid Gold and Orange.



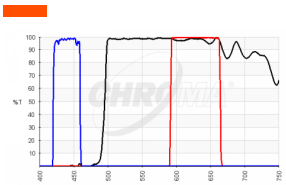
TRF49911 - ET - 594nm Laser Bandpass Set for TIRF applications

For use with lasers between 591-597nm
Set includes additional longpass emission filter paired with bandpass emission filter in filter cube for greatly increased attenuation of TIRF lasers.

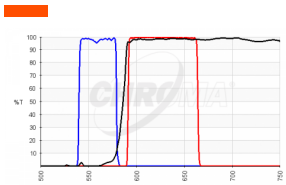


49910 - ET - 561nm Laser Bandpass Set for AlexaFluor 568, AlexaFluor 594, Texas Red®, mCherry

For use with lasers between 557-563nm

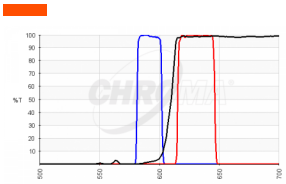


49024 - ET - Keima Red/DiA



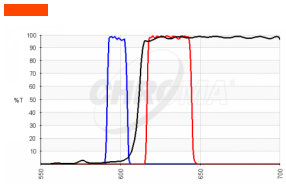
49008 - ET - mCherry, Texas Red®

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



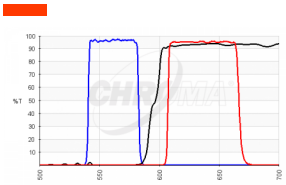
49310 - ET - Red#2 FISH

Ideal for use with commercially available Red FISH probes and chromosome painting techniques. Red signals will be less bright than those obtained with 49306. Intended to avoid detection of Gold. Use 49311 to avoid detection of Orange in samples which also contain Red.

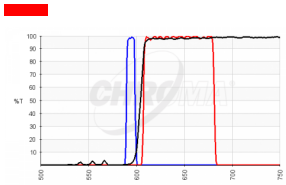


49311 - ET - Red#3 Narrow band FISH

Ideal for use with commercially available Red FISH probes and chromosome painting techniques, including mFISH. Red signals will be less bright than those obtained with 49306 or 49310. Intended to completely avoid detection of Orange.
This set allows for more combinations in one hybridization, allowing Red and Orange to be run together when using filter set 49309 for Orange.

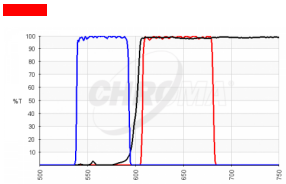


39010 - AT - Texas Red/mCherry/AlexaFluor 594



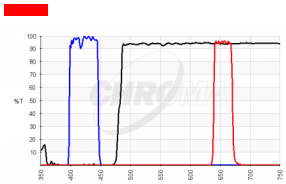
49911 - ET - 594nm Laser Bandpass Set for mCherry, mKate2, AlexaFluor 594, Texas Red®

For use with lasers between 591-596nm

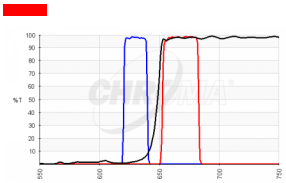


49055 - ET - Wide mCherry/Texas Red for 540-580nm LEDs

Optimized for use with CoolLED light engines.
This set features a wide band excitation filter which transmits a broad range of the relatively weaker LEDs with peaks between 540-580nm, resulting in bright fluorescence signal when used with the wide emission filter in this set. Useful for fluorophores related to rhodamine, Cy3 and fluorescent proteins with similar emission spectra. This filter set may also detect Cy5/AF 647 if present.

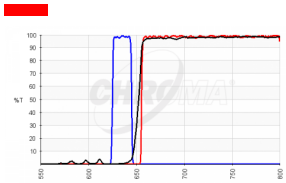


39107 - AT- Qdot 655



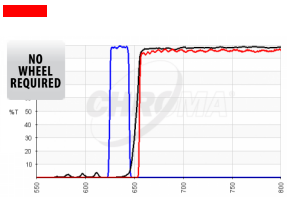
49307 - ET - Far Red FISH

Ideal for use with commercially available Far Red FISH probes and chromosome painting techniques.



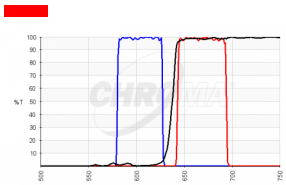
49913 - ET - 633-640nm Laser Longpass Set for AlexaFluor 647, DyLight 649, Atto 647

For use with lasers between 627-643nm

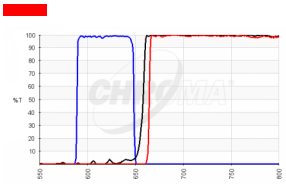


TRF49913 - ET - 633-640nm Laser Longpass Set for TIRF applications

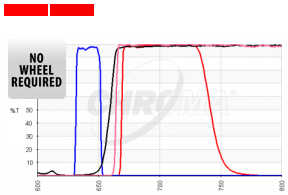
For use with lasers between 627-643nm
This set uses a longpass emission filter with greatly increased blocking for greater attenuation of TIRF lasers without the use of an additional emission filter.



49015 - ET - AlexaFluor 633

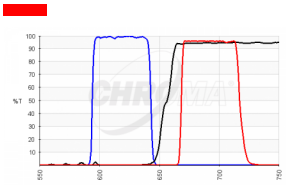


49019 - ET - Cy5 Longpass

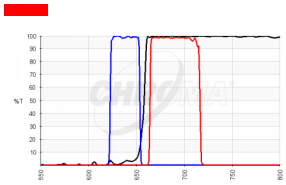


TRF49914 - ET - 640-647nm Laser Longpass Set for TIRF applications

For use with lasers between 633-650nm
Set includes additional longpass emission filter paired with bandpass emission filter in filter cube for greatly increased attenuation of TIRF lasers.

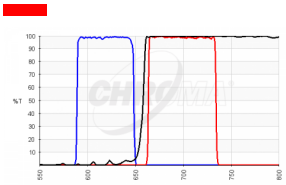


39007 - AT - Cy5/AlexaFluor 647/Draq5



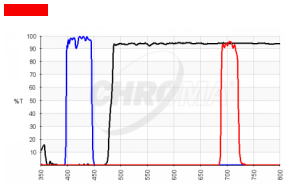
49009 - ET - Cy5 Narrow Excitation

The narrow-band excitation provided by this filter set is useful in applications where fluorochromes such as Texas Red or AlexaFluor 594 are also present in the same sample. This set will minimize bleedthrough of these fluorochromes.
Best FISH filter set for Far Red probes.

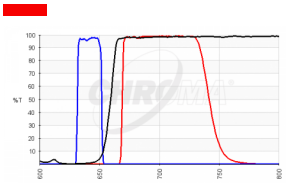


49006 - ET - Cy5

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.
Recommended to detect CL-650 in Cell IDx Four Color assay.

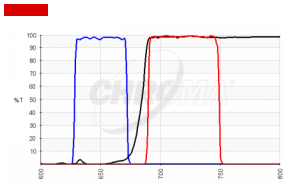


39108 - AT- Qdot 705

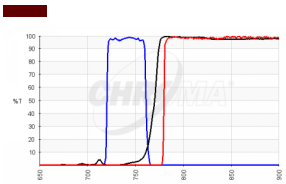


49914 - ET - 640-647nm Laser Bandpass for Set AlexaFluor 647, DyLight647, Atto 647N

For use with lasers between 633-650nm

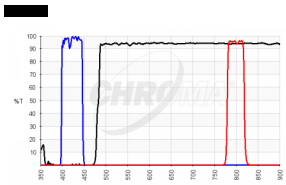


49022 - ET - Cy5.5

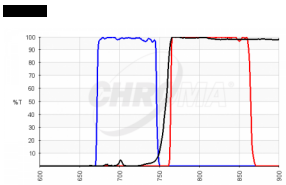


49037 - ET - Li_Cor for IR dye 800

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.

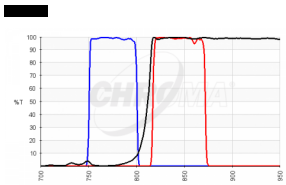


39109 - AT- Qdot 800



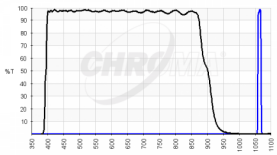
49007 - ET - Cy7

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.
Recommended to detect CL-750 in Cell IDx Four Color assay.



49030 - ET - Indocyanine Green

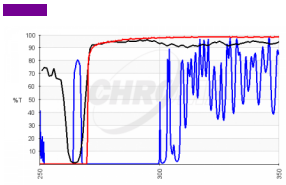
Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



49916 - ET - Shortpass Filter Set for 1064nm Laser Tweezing or CARS Beam Combining

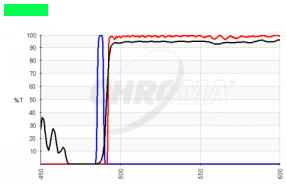
コンプリートフィルターセット / SINGLE BAND & LONGPASS & SHORTPASS FILTER SETS

Raman Filter Sets



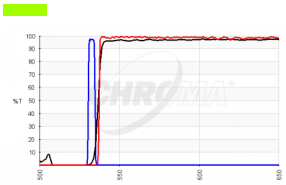
49953 - RT - Raman 266nm Laser Longpass Set

Dedicated Filter set for Raman spectroscopy. The ultra-steep 266nm laser dichroic mirror perfectly matches the ultra-steep longpass emission filter which blocks the 266nm laser. Set includes the narrow-band 266nm laser clean-up filter.



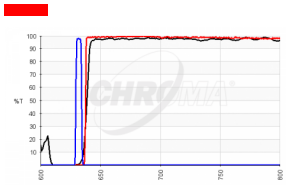
49951 - RT - Raman 488nm Laser Longpass Set

Dedicated Filter set for Raman spectroscopy. The ultra-steep 488nm laser dichroic mirror perfectly matches the ultra-steep longpass emission filter which blocks the 488nm laser. Set includes the narrow-band 488nm laser clean-up filter.



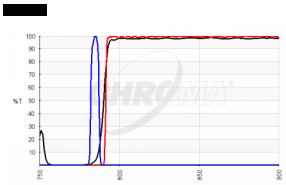
49952 - RT - Raman 532nm Laser Longpass Set

Dedicated Filter set for Raman spectroscopy. The ultra-steep 532nm laser dichroic mirror perfectly matches the ultra-steep longpass emission filter which blocks the 532nm laser. Set includes the narrow-band 532nm laser clean-up filter.



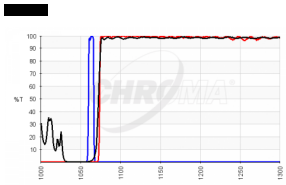
49954 - RT - Raman 633nm Laser Longpass Set

Dedicated Filter set for Raman spectroscopy. The ultra-steep 633nm laser dichroic mirror perfectly matches the ultra-steep longpass emission filter which blocks the 633nm laser. Set includes the narrow-band 633nm laser clean-up filter.



49950 - RT - Raman 785nm Laser Longpass Set

Dedicated Filter set for Raman spectroscopy. The ultra-steep 785nm laser dichroic mirror perfectly matches the ultra-steep longpass emission filter which blocks the 785nm laser. Set includes the narrow-band 785nm laser clean-up filter.

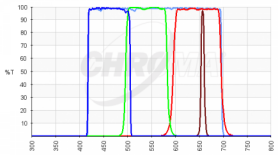


49955 - RT - Raman 1064nm Laser Longpass Set

Dedicated Filter set for Raman spectroscopy. The ultra-steep 1064nm laser dichroic mirror perfectly matches the ultra-steep longpass emission filter which blocks the 1064nm laser. Set includes the narrow-band 1064nm laser clean-up filter.

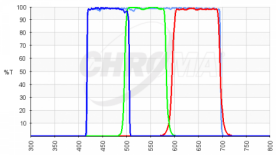
コンプリートフィルターセット / SINGLE BAND & LONGPASS & SHORTPASS FILTER SETS

Astronomy Filter Sets



27102 - HaLRGB

H-alpha, Luminance, Red, Green, and Blue astronomy filter set

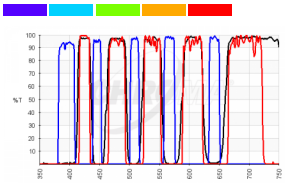


27101 - LRGB

Luminance, Red, Green, and Blue astronomy filter set

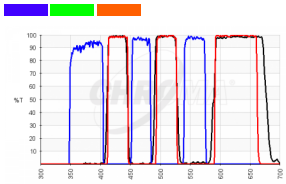
コンプリートフィルターセット / MULTI BAND FILTER SETS

Multi Band Exciter/Multi Band Emitter



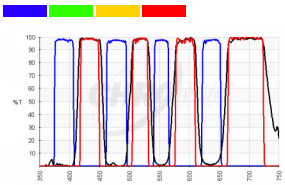
89904 - ET - 405/445/514/561/640nm Laser Quinta Band Set

For use with BD Horizon Brilliant™ Violet 421 and Brilliant™ Violet 480 in 5-color fluorescence imaging scheme. Intended for use with laser excitation, however this set is also comaptible with triggerable LED excitation if the appropriate LEDs are used.



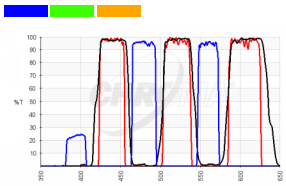
69401 - ET - 380/55-470/30-557/35 Multi LED set

Optimized for use with CoolLED light engines. This set provides a wide band for UV excitation, compatible with UV LEDs from 355-405nm. Also compatible with shorter-wavelength blue LEDs from 453-483nm and a wide band for green LEDs from 540-575nm.



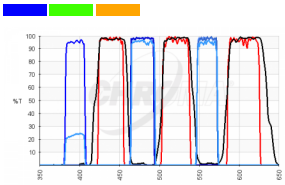
89402 - ET - 391-32/479-33/554-24/638-31 Multi LED set

Quad band catalog set for Multi LED light engines like those manufactured by Lumencor, CoolLED, Excelitas and Cairn Research. Excitation passbands are matched to discrete, triggerable LEDs appropriate for excitation of DAPI/FITC/TRITC/Cy5 and similar fluors. Not intended for use with white light sources.



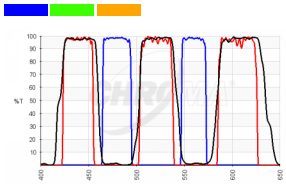
69013v2 - ET - DAPI/Green/Orange #1 FISH

Triple band filter set ideal for simultaneous viewing of DAPI and commercially available Green and Orange FISH probes



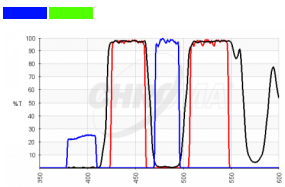
89084v2 - ET - DAPI/Green/Orange Multi-Exciter FISH

This filter set replaces the original 82000 set and the recent 89084 set.
It is a tripleband filter set with passbands equivalent to the 69013v2 set. In addition, This set also contains a Green/Orange dualband excitation filter and 3 individual single band excitaiton filters. This allows the user to detect DAPI/Green/Orange simultaneously with the tripleband exciter, or only Green/Orange with the dualband exciter, or single colors for imaging to a camera. The tripleband excitation filter features an attenuated level of DAPi excitation.



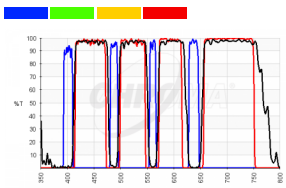
59011 - ET - Green/Orange #1 FISH

Dualband filter set ideal for simultaneous viewing of commercially available Green and Orange FISH probes. Intended to balance the two fluorescence signals by attenuating Orange signals relative to Green when used with mercury lamps and metal halide light sources.



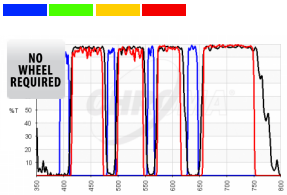
59001v2 - ET - DAPI/Green FISH

Dual band filter set for simultaneous viewing of Green FISH probes and a DAPI counterstain. Features an attenuated level of DAPI excitaiton to balance the intensity of DAPI and Green fluorescence signals. Replaces the original 59001.



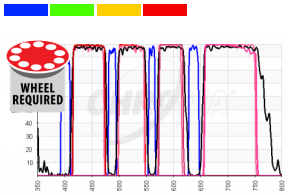
89901v2 - ET - 405/488/561/640nm Laser Quad Band Set

For use with lasers between 400-410nm, 485-492nm, 558-563nm and 632-643nm



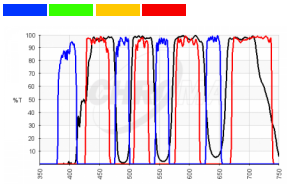
TRF89901v2 - ET - 405/488/561/640nm Laser Quad Band Set for TIRF applications

Set includes no additional emission filters; instead, the quad band emission filter has increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



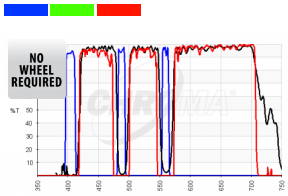
TRF89901-EMv2 - ET - 405/488/561/640nm Laser Quad Band Set for TIRF applications

Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



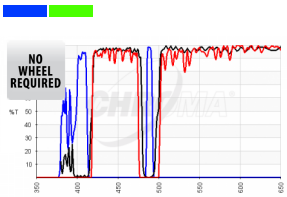
89401 - ET - DAPI/FITC/TRITC/CY5 Quad

A version of the 89000 Quad set with a quad band excitation filter, dichroic and emission filter. Useful for simultaneous live viewing of multiple channels or image-splitting applications. May also be paired with individual emission filters from 89000 set for highest SNR image-splitting when acquiring multiple channels simultaneously. May be used with color cameras for standard image acquisition. Use of monochrome cameras requires an image-splitting device.



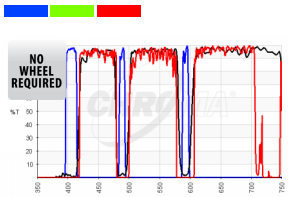
TRF69901 - ET - 405/488/561nm Laser Triple Band Set for TIRF applications

For use with lasers between 400-410nm, 486-492nm and 558-563nm
Set includes no additional emission filters; instead, the triple band emission filter has greatly increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



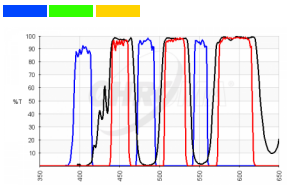
TRF59901 - ET - 405/488nm Laser Dual Band Set for TIRF applications

For use with lasers between 400-408nm and 485-491nm
Set includes no additional emission filters; instead, the dual band emission filter has increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



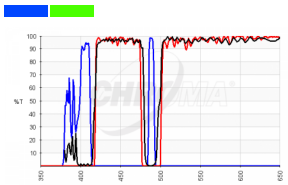
TRF69902 - ET - 405/488/594nm Laser Triple Band Set for TIRF applications

For use with lasers between 400-412nm, 486-492nm and 591-596nm
Set includes no additional emission filters; instead, the triple band emission filter has greatly increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



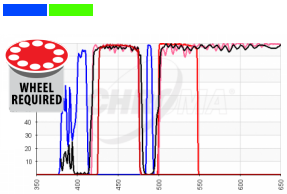
69000 - ET - DAPI/FITC/TRITC

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



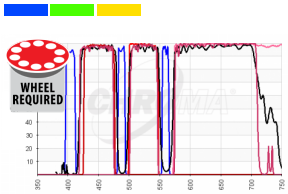
59901 - ET - 405/488nm Laser Dual Band Set

For use with lasers between 400-408nm and 485-491nm



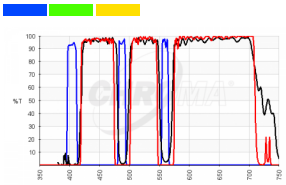
TRF59901-EM - ET - 405/488nm Laser Dual Band Set for TIRF applications

For use with lasers between 400-408nm and 485-491nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



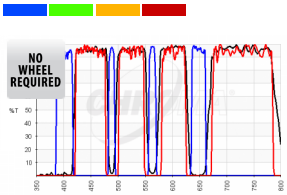
TRF69901-EM - ET - 405/488/561nm Laser Triple Band Set for TIRF applications

For use with lasers between 400-410nm, 486-492nm and 558-563nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greater attenuation of TIRF lasers.



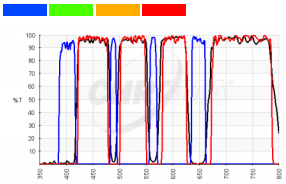
69901 - ET - 405/488/561nm Laser Triple Band set

For use with lasers between 400-410nm, 486-492nm and 558-563nm



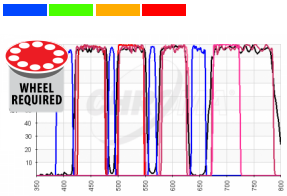
TRF89902 - ET - 405/488/561/647nm Laser Quad Band Set for TIRF applications

Set includes no additional emission filters; instead, the quad band emission filter has increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



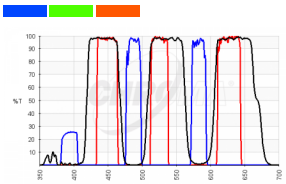
89902 - ET - 405/488/561/647nm Laser Quad Band Set

For use with lasers between 400-410nm, 486-492nm, 559-563nm and 640-658nm



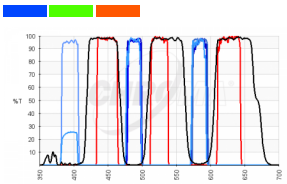
TRF89902-EM - ET - 405/488/561/647nm Laser Quad Band Set for TIRF applications

Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



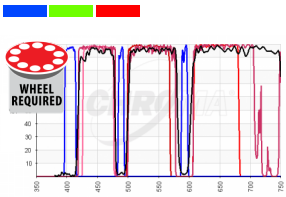
69015 - ET - DAPI/Green/Red FISH

Triple band filter set ideal for simultaneous viewing of DAPI and commercially available Green and Red FISH probes. Attenuated level of DAPI excitation provides better balance of colors so that DAPI signal is not overwhelming.



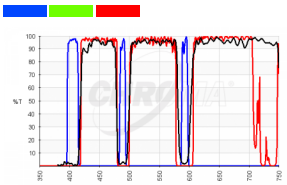
89085 - ET - DAPI/Green/Red Multi-Exciter FISH

This filter set replaces the original 83000 set and the recent 89083 set.
Tripleband filter set with passbands equivalent to the 69015 set. In addition, This set also contains a Green/Red dualband excitation filter and 3 individual single band excitaiton filters. This allows the user to detect DAPI/Green/Red simultaneously with the tripleband exciter, or only Green/Red with the dualband exciter, or single colors for imaging to a camera.



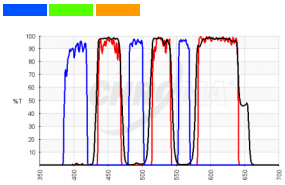
TRF69902-EM - ET - 405/488/594nm Laser Triple Band Set for TIRF applications

For use with lasers between 400-412nm, 486-492nm and 591-596nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greater attenuation of TIRF lasers.



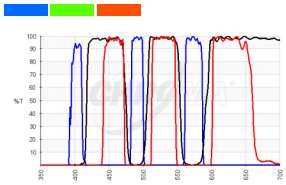
69902 - ET - 405/488/594nm Laser Triple Band set

For use with lasers between 400-412nm, 486-492nm and 591-596nm



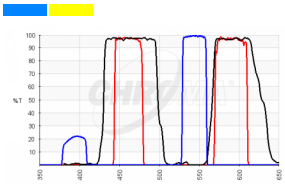
69010 - ET - DAPI/FITC/Cy3

This triple band set is intended to provide an attenuated Cy3/TRITC/AF546 signal in applications where these orange channel signals overwhelm the green channel signals, and compensation is required.



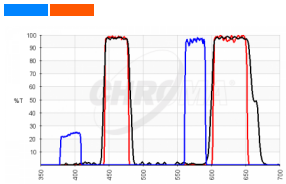
69002 - ET - DAPI/FITC/Texas Red®

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



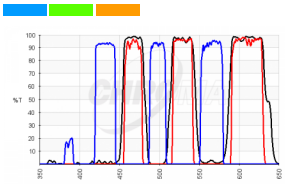
59002v2 - ET - DAPI/Orange FISH

Dual band filter set for simultaneous viewing of OrangeFISH probes and a DAPI counterstain. Features an attenuated level of DAPI excitaiton to balance the intensity of DAPI and Orange fluorescence signals. Replaces the original 59002.



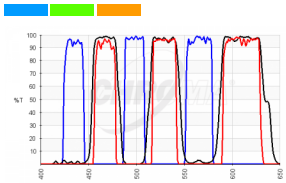
59003v2 - ET - DAPI/Red FISH

Dual band filter set for simultaneous viewing of Red FISH probes and a DAPI counterstain. Features an attenuated level of DAPI excitaiton to balance the intensity of DAPI and Red fluorescence signals. Replaces the original 59003.



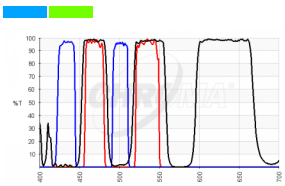
69014 - ET - DAPI/Aqua/Green/Orange FISH

Similar to 69011 filter set, except for excitation filter. Excitation filter is a quad band, with an attenuated level of excitation for DAPI. This allows for a dim DAPI counterstain that does not overwhelm the Aqua signals. DAPI and Aqua use the same emission band for fluorescence. For simultaneous viewing, not for use with camera.



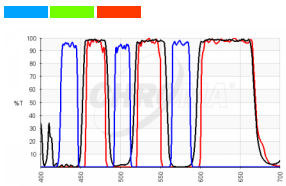
69011 - ET-Aqua/Green/Orange FISH

Triple band filter set ideal for simultaneous viewing of commercially available Aqua, Green and Orange FISH probes.



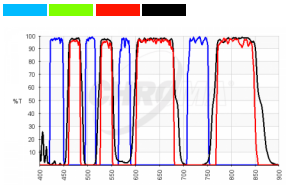
59017 - ET - ECFP/EYFP

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



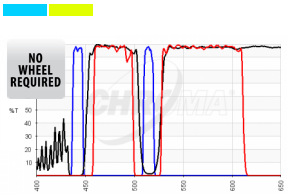
69008 - ET - ECFP/EYFP/mCherry

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.
This set is also ideal as a tripleband filter set in FISH applications for simultaneous viewing of commercially available Aqua, Green and Red FISH probes.



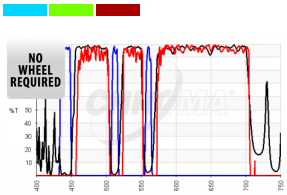
89403 - ET - 436-28/506-21/578-24/730-40 Multi LED set

Quad band catalog set for Multi LED light engines like those manufactured by Lumencor, CoolLED, Excelitas and Cairn Research. Excitation passbands are matched to discrete, triggerable LEDs appropriate for excitation of CFP/YFP/RFP/Cy7 and similar fluors. Not intended for use with white light sources.



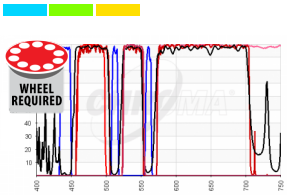
TRF59902 - ET - 442/514nm Laser Dual Band Set for TIRF applications

For use with lasers between 439-445nm and 512-517nm
Set includes no additional emission filters; instead, the dual band emission filter has increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



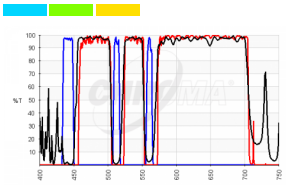
TRF69904 - ET - 442/514/561nm Laser Triple Band Set for TIRF applications

For use with lasers between 437-448nm, 511-516nm and 559-564nm
Set includes no additional emission filters; instead, the triple band emission filter has greatly increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



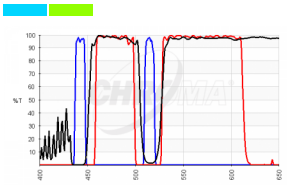
TRF69904-EM - ET - 442/514/561nm Laser Triple Band Set for TIRF applications

For use with lasers between 437-448nm, 511-516nm and 559-564nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greater attenuation of TIRF lasers.



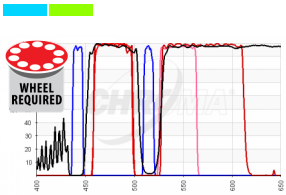
69904 - ET - 442/514/561nm Laser Triple Band set

For use with lasers between 437-448nm, 511-516nm and 559-564nm



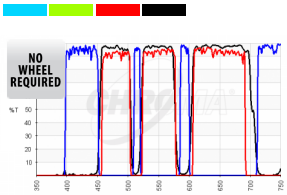
59902 - ET - 442/514nm Laser Dual Band Set

For use with lasers between 439-445nm and 512-517nm



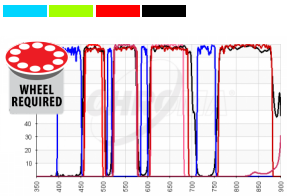
TRF59902-EM - ET - 442/514nm Laser Dual Band Set for TIRF applications

For use with lasers between 439-445nm and 512-517nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



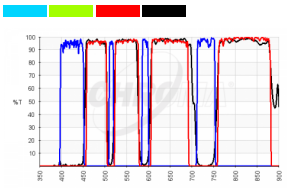
TRF69905 - ET - 442/514/594nm Laser Triple Band Set for TIRF applications

For use with lasers between 400-449nm, 511-518nm and 588-597nm
Set includes no additional emission filters; instead, the triple band emission filter has greatly increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



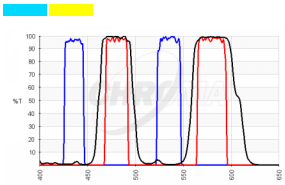
TRF69905-EM - ET - 442/514/594nm Laser Triple Band Set for TIRF applications

For use with lasers between 400-449nm, 511-518nm and 588-597 nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greater attenuation of TIRF lasers.



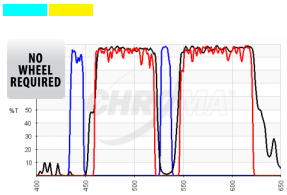
69905 - ET - 445/514/594nm Laser Triple Band set

For use with lasers between 405-448nm, 511-516nm and 589-596nm



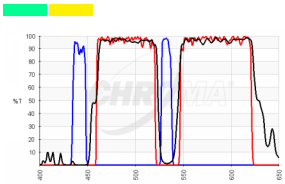
59033 - ET - Aqua/Gold FISH

Dualband filter set ideal for simultaneous viewing of commercially available Aqua and Gold FISH probes.



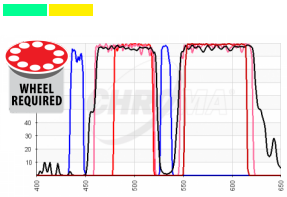
TRF59903 - ET - 442/532nm Laser Dual Band Set for TIRF applications

For use with lasers between 438-445nm and 530-535nm
Set includes no additional emission filters; instead, the dual band emission filter has increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



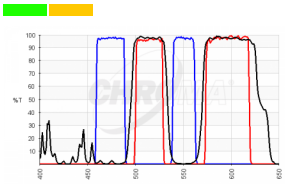
59903 - ET - 442/532nm Laser Dual Band Set

For use with lasers between 438-445nm and 530-535nm



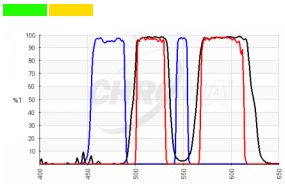
TRF59903-EM - ET - 442/532nm Laser Dual Band Set for TIRF applications

For use with lasers between 438-445nm and 530-535nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



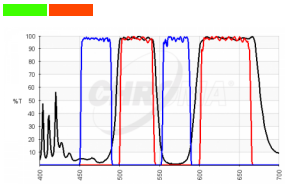
59012 - ET - Green/Orange #2 FISH

Dualband filter set ideal for simultaneous viewing of commercially available Green and Orange FISH probes. Intended to balance the two fluorescence signals by increasing Orange signal intensity relative to Green when used with LED sources which tend to be weaker in 540-560nm wavelength region.



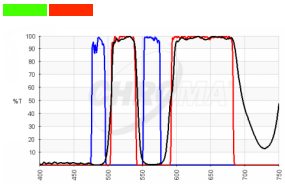
59004 - ET - FITC/TRITC

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



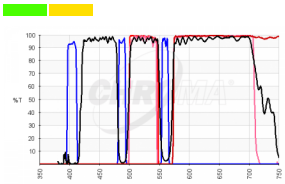
59022 - ET - EGFP/mCherry (or FITC/TxRed)

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



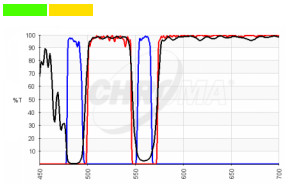
59009 - ET - FITC/CY3

This dual band set is intended to provide an attenuated Cy3/TRITC/AF546 signal in applications where these orange channel signals overwhelm the green channel signals, and compensation is required.



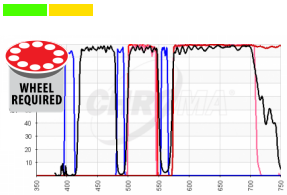
59908 - ET - 488/561 PALM Dual Band Emission Set with 405nm activation

For use with imaging lasers between 486-492nm and 558-563nm and photoactivation laser 400-410nm



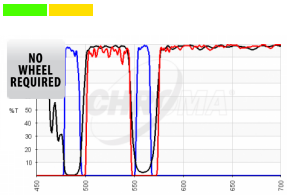
59904 - ET - 488/561nm Laser Dual Band Set

For use with lasers between 486-492nm and 556-563nm



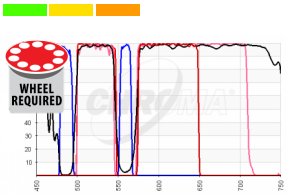
TRF59908-EM - ET - PALM Dual Band Emission Set for 488/561nm TIRF applications with 405nm excitation

For use with imaging lasers between 486-492nm and 558-563nm and photoactivation laser 400-410nm
Set includes the same filter combination as the 59908 PALM set, but with the 2mm TIRF dichroic.



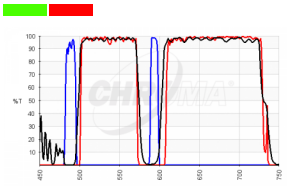
TRF59904 - ET - 488/561nm Laser Dual Band Set for TIRF applications

For use with lasers between 486-492nm and 556-563nm
Set includes no additional emission filters; instead, the dual band emission filter has increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



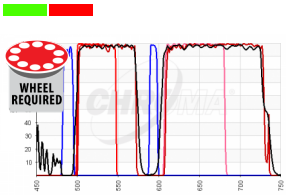
TRF59904-EM - ET - 488/561nm Laser Dual Band Set for TIRF applications

For use with lasers between 486-492nm and 556-563nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



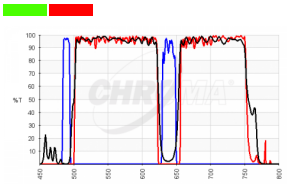
59905 - ET - 488/594nm Laser Dual Band Set

For use with lasers between 486-492nm and 591-596nm



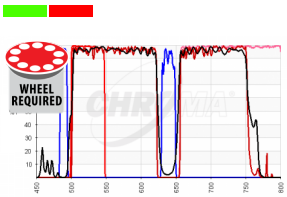
TRF59905-EM - ET - 488/594nm Laser Dual Band Set for TIRF applications

For use with lasers between 486-492nm and 591-596nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



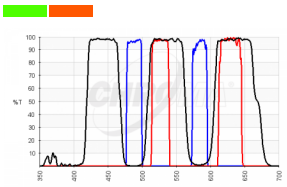
59906 - ET - 488/640nm Laser Dual Band Set

For use with lasers between 486-492nm and 633-647nm



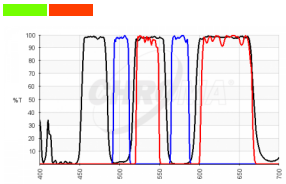
TRF59906-EM - ET - 488/640nm Laser Dual Band Set for TIRF applications

For use with lasers between 486-492nm and 633-647nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



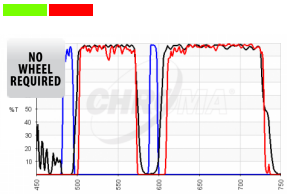
59010 - ET - Green/Red #1 FISH

This dual band filter set is ideal for simultaneous viewing of commercially available Green and Red FISH probes. Intended to balance the two fluorescence signals and also avoid detection of Gold probes if also present.



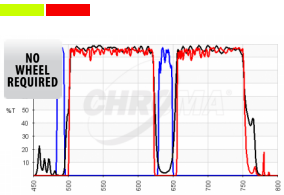
59026 - ET - EYFP/mCherry

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



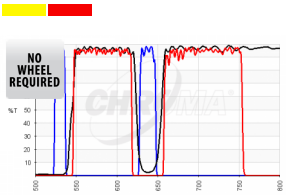
TRF59905 - ET - 488/594nm Laser Dual Band Set for TIRF applications

For use with lasers between 486-492nm and 591-596nm
Set includes no additional emission filters; instead, the dual band emission filter has increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



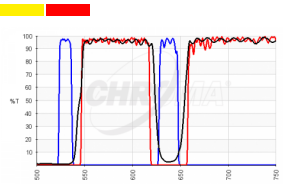
TRF59906 - ET - 488/640nm Laser Dual Band Set for TIRF applications

For use with lasers between 486-492nm and 633-647nm
Set includes no additional emission filters; instead, the dual band emission filter has increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



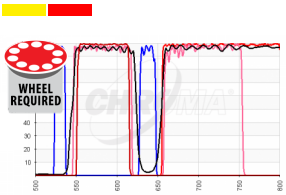
TRF59907 - ET - 532/640nm Laser Dual Band Set for TIRF applications

For use with lasers between 528-535nm and 633-647nm
Set includes no additional emission filters; instead, the dual band emission filter has increased blocking for greater attenuation of TIRF lasers without the use of additional filters.



59907 - ET - 532/640nm Laser Dual Band Set

For use with lasers between 528-535nm and 633-647nm

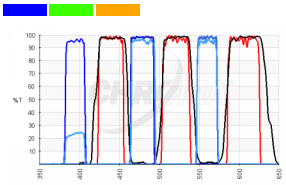


TRF59907-EM - ET - 532/640nm Laser Dual Band Set for TIRF applications

For use with lasers between 528-535nm and 633-647nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.

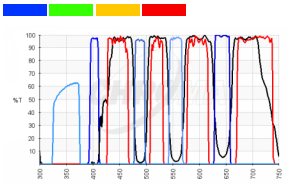
コンプリートフィルターセット / MULTI BAND FILTER SETS

Single Band Exciters/Multi Band Emitter



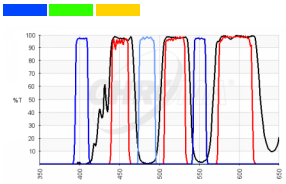
89084v2 - ET - DAPI/Green/Orange Multi-Exciter FISH

This filter set replaces the original 82000 set and the recent 89084 set.
It is a tripleband filter set with passbands equivalent to the 69013v2 set. In addition, This set also contains a Green/Orange dualband excitation filter and 3 individual single band excitaiton filters. This allows the user to detect DAPI/Green/Orange simultaneously with the tripleband exciter, or only Green/Orange with the dualband exciter, or single colors for imaging to a camera. The tripleband excitation filter features an attenuated level of DAPi excitation.



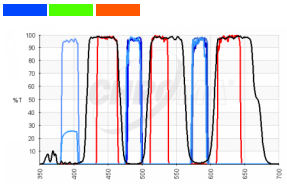
89400 - ET - DAPI/FITC/TRITC/Cy5 Quad with Single Band Exciters

A version of the 89000 Quad set with a quad band emisison filter and four individual excitation filters for use in an external filter housing such as a filter wheel, similar to Chroma's original Pinkel filter set. Allows for selective excitation of individual fluors in sample containing multiple fluors. Appropriate for live viewing or image acquisition with monochrome or color cameras.



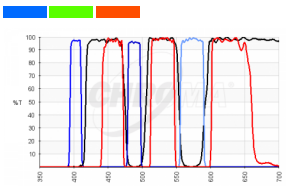
69300 - ET - DAPI/FITC/TRITC with single band exciters

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



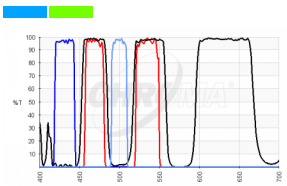
89085 - ET - DAPI/Green/Red Multi-Exciter FISH

This filter set replaces the original 83000 set and the recent 89083 set.
Tripleband filter set with passbands equivalent to the 69015 set. In addition, This set also contains a Green/Red dualband excitation filter and 3 individual single band excitaiton filters. This allows the user to detect DAPI/Green/Red simultaneously with the tripleband exciter, or only Green/Red with the dualband exciter, or single colors for imaging to a camera.



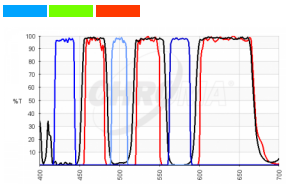
69302 - ET - DAPI/FITC/Texas Red® with single band exciters

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



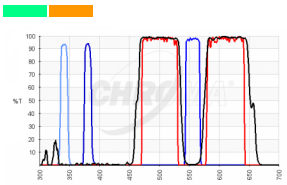
59217 - ET - ECFP/EYFP with single band exciters

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.

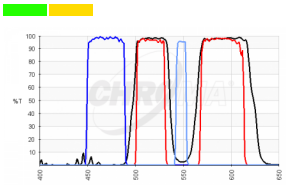


69308 - ET - ECFP/EYFP/mCherry with single band exciters

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.

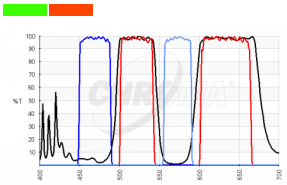


79003 - ET - Fura 2/TRITC



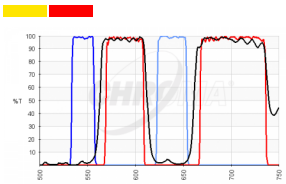
59204 - ET - FITC/TRITC with single band exciters

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



59222 - ET - EGFP/mCherry (or FITC/TxRed) with single band exciters

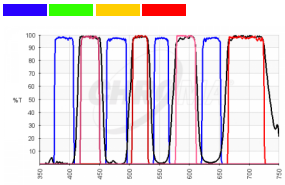
Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



59207 - ET - CY3/Cy5 with single band exciters

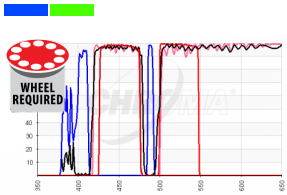
コンプリートフィルターセット / MULTI BAND FILTER SETS

Multi-Band Exciters/Single Band Emitters



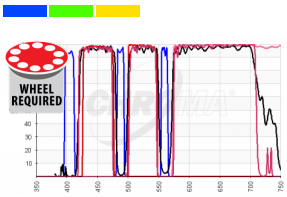
89404 - ET - 391-32/479-33/554-24/638-31 Multi LED set with single band emitters

Single emission filter version of 89402 set.
Quad band catalog set for Multi LED light engines like those manufactured by Lumencor, CoolLED, Excelitas and Cairn Research.
Excitation passbands are matched to discrete, triggerable LEDs appropriate for excitation of DAPI/FITC/TRITC/Cy5 and similar fluors.
Not intended for use with white light sources.



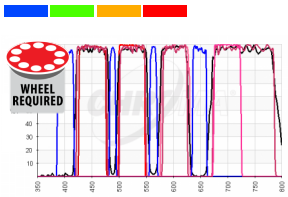
TRF59901-EM - ET - 405/488nm Laser Dual Band Set for TIRF applications

For use with lasers between 400-408nm and 485-491nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



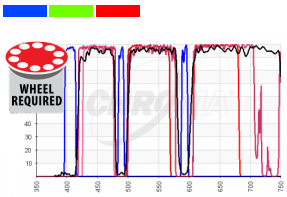
TRF69901-EM - ET - 405/488/561nm Laser Triple Band Set for TIRF applications

For use with lasers between 400-410nm, 486-492nm and 558-563nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greater attenuation of TIRF lasers.



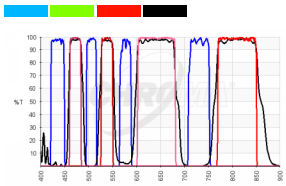
TRF89902-EM - ET - 405/488/561/647nm Laser Quad Band Set for TIRF applications

Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



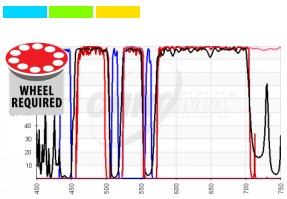
TRF69902-EM - ET - 405/488/594nm Laser Triple Band Set for TIRF applications

For use with lasers between 400-412nm, 486-492nm and 591-596nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greater attenuation of TIRF lasers.



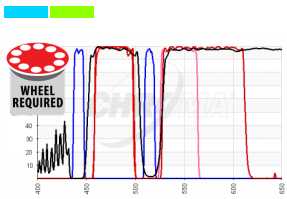
89405 - ET - 436-28/506-21/578-24/730-40 Multi LED set with single band emitters

Single emission filter version of 89403 set.
Quad band catalog set for Multi LED light engines like those manufactured by Lumencor, CoolLED, Excelitas and Cairn Research.
Excitation passbands are matched to discrete, triggerable LEDs appropriate for excitation of CFP/YFP/RFP/Cy7 and similar fluors. Not intended for use with white light sources.



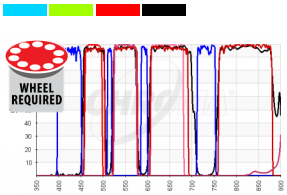
TRF69904-EM - ET - 442/514/561nm Laser Triple Band Set for TIRF applications

For use with lasers between 437-448nm, 511-516nm and 559-564nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greater attenuation of TIRF lasers.



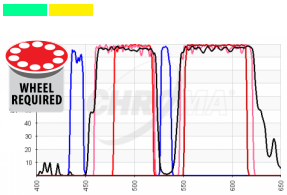
TRF59902-EM - ET - 442/514nm Laser Dual Band Set for TIRF applications

For use with lasers between 439-445nm and 512-517nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



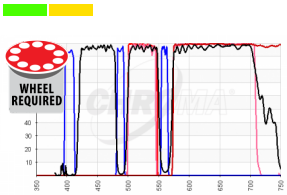
TRF69905-EM - ET - 442/514/594nm Laser Triple Band Set for TIRF applications

For use with lasers between 400-449nm, 511-518nm and 588-597 nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greater attenuation of TIRF lasers.



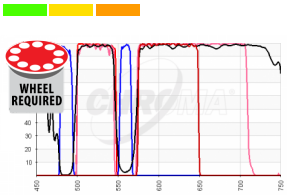
TRF59903-EM - ET - 442/532nm Laser Dual Band Set for TIRF applications

For use with lasers between 438-445nm and 530-535nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



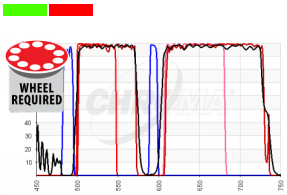
TRF59908-EM - ET - PALM Dual Band Emission Set for 488/561nm TIRF applications with 405nm excitation

For use with imaging lasers between 486-492nm and 558-563nm and photoactivation laser 400-410nm
Set includes the same filter combination as the 59908 PALM set, but with the 2mm TIRF dichroic.



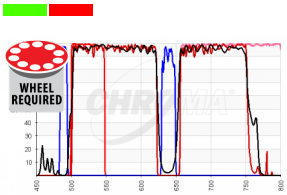
TRF59904-EM - ET - 488/561nm Laser Dual Band Set for TIRF applications

For use with lasers between 486-492nm and 556-563nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



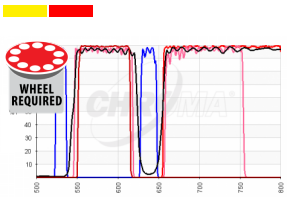
TRF59905-EM - ET - 488/594nm Laser Dual Band Set for TIRF applications

For use with lasers between 486-492nm and 591-596nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.



TRF59906-EM - ET - 488/640nm Laser Dual Band Set for TIRF applications

For use with lasers between 486-492nm and 633-647nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.

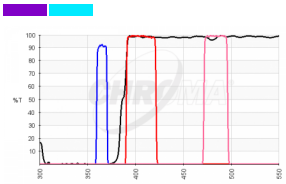


TRF59907-EM - ET - 532/640nm Laser Dual Band Set for TIRF applications

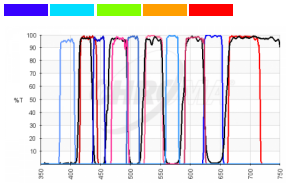
For use with lasers between 528-535nm and 633-647nm
Set includes additional emission filters for use with external emission filter wheel for signal selection and greatest attenuation of TIRF lasers.

コンプリートフィルターセット / MULTI BAND FILTER SETS

Single Band Exciters/Single Band Emitters

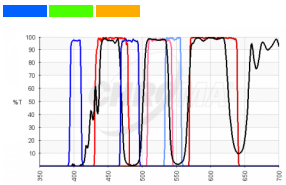


79006 - ET - INDO



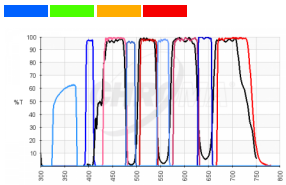
89903 - ET - BV421/BV480/AF488/AF568/AF647 Quinta Band set

For use with BD Horizon Brilliant™ Violet 421 and Brilliant™ Violet 480 in 5-color fluorescence imaging scheme. Separate filter housings (such as external filter wheels) required for individual excitaiton and emisison filters.



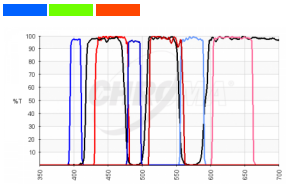
89013 - ET - DAPI/FITC/TRITC

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



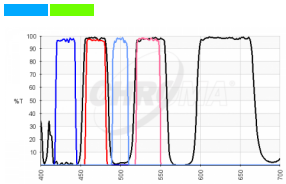
89000 - ET - Sedat Quad

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



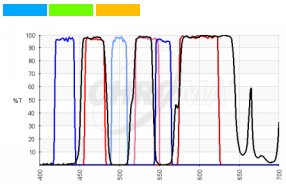
89014 - ET - DAPI/FITC/Texas Red®

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



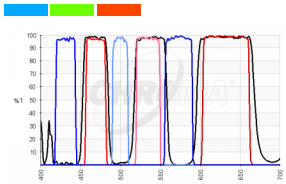
89002 - ET - ECFP/EYFP

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



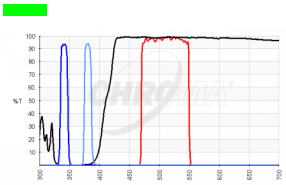
89007 - ET - ECFP/EYFP/DsRed

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



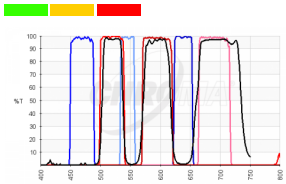
89006 - ET - ECFP/EYFP/mCherry

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



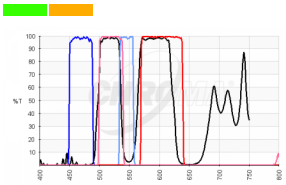
79001 - ET - Fura 2

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



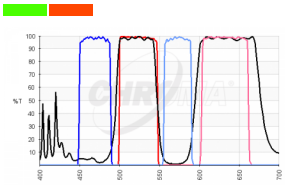
89016 - ET - FITC/Cy3/Cy5

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



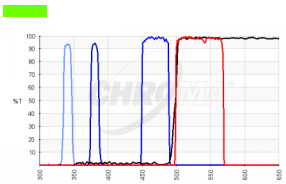
89019 - ET - FITC/TRITC

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.

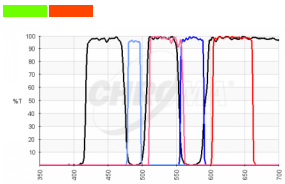


89021 - ET - EGFP/mCherry

Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.

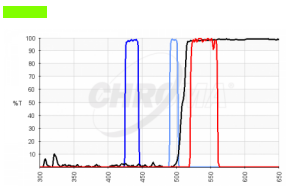


79004 - ET - Fura 2/GFP

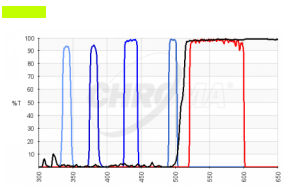


89017 - ET - FITC/Texas Red®

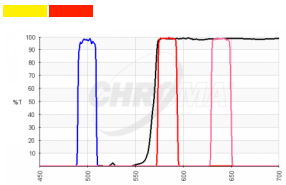
Please see the excitation intensity note on page 6 for information on how to avoid rapid photobleaching of sample.



79005 - ET - BCECF

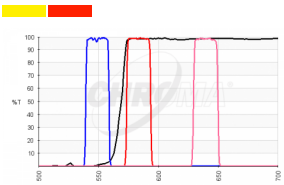


79002 - ET - Fura 2/BCECF



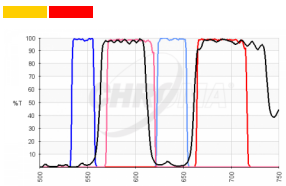
79009 - ET - SNARF with 500nm excitation

This filter set is intended for dual-emission ratiometric measurements of the SNARF family of pH indicators when excited with light in the 490-510nm wavelength range.



79010 - ET - SNARF with 550nm excitation

This filter set is intended for dual-emission ratiometric measurements of the SNARF family of pH indicators when excited with light in the 540-560nm wavelength range.



89022 - ET - Cy3/Cy5

フィルターアクセサリー / CUBES, SLIDERS AND RINGS

Cubes, Sliders and Rings

Product Number91000 - 18mm Nikon Microscopes (Diaphot, TMD)

**適切な取り付け調整のため、当社でのフィルター装着をお勧めいたします。

Product Number91001 - Nikon Eclipse/Quadfluor

本キューブは、 E400、E600、E800、E1000及びTE200、TE300用です。TE2000やTiには使えません。またDiaphotの初期バージョンは91000キューブ（18mm)を使用していましたが、後期バージョンでは91001キューブを使用するようになっておりますので、お間違えないようにお気をつけください。またキューブのみの購入をご希望の場合は、お近くのニコン取扱店にお問い合わせください。

Product Number91002 - Olympus BH2

**適切な取り付け調整のため、当社でのフィルター装着をお勧めいたします。

Product Number91003 - Olympus IMT2 Filter Cube

**適切な取り付け調整のため、当社でのフィルター装着をお勧めいたします。

Product Number91004 - Leica Ploempak

**適切な取り付け調整のため、当社でのフィルター装着をお勧めいたします。当社では、3本ねじのPloemキューブのみ調整可能です。4本ねじのPloemキューブはLeica社に送って調整を行ってください。

Product Number91005 - Leica Aristoplan Filter Cube

**適切な取り付け調整のため、当社でのフィルター装着をお勧めいたします。

Product Number91006 - Zeiss Axioline 3FL Slider

励起プレート= 25mm、放射プレート= 25mm、ダイクロイックミラー= 25.5x36mm。

Product Number91007 - Leica DM Filter Cube

**適切な取り付け調整のため、当社でのフィルター装着をお勧めいたします。

Product Number91009 - Leica DMIRB Filter Cube

**適切な取り付け調整のため、当社でのフィルター装着をお勧めいたします。

Product Number91011 - Zeiss Axioline 4FL Slider

エキサイター（x）= 25mm、エミッター（m）= 25mm、ビームスプリッター= 25.5x36mm。

Product Number91012 - Zeiss Axioline 5FL Slider

エキサイター（x）= 25mm、エミッター（m）= 25mm、ビームスプリッター= 25.5x36mm。

Product Number91013 - Zeiss Axioline 6FL Slider

エキサイター（x）= 25mm、エミッター（m）= 25mm、ビームスプリッター= 25.5x36mm。

Product Number91015 - Zeiss Axio screws into turret

エキサイター（x）= 25mm、エミッター（m）= 25mm、ビームスプリッター= 25.5x36mm。

Product Number91016 - Zeiss Axioplan with non-tilted emission filter (Push & Click)

販売中止（91029をご参照ください。）

Product Number91017 - Olympus CK40

**適切な取り付け調整のため、当社でのフィルター装着をお勧めいたします。

Product Number91018 - BX2 filter cube (U-MF2) For Olympus BX2 and IX2 models

対象モデルは、BX41, BX51, BX61, IX51, IX71, IX81です。

Product Number91020 - Nikon TE2000/Ti

本キューブは、 50i、80i、90i用です。TE/Ti 顕微鏡に使われますが、他のEclipse/Quadfluor顕微鏡は91001を使いますので、混同しないようお気をつけてください。キューブのみの購入をご希望の場合は、お近くのニコン取扱店にお問い合わせください。

Product Number91024 - Leica DM 2500, 3000, 5000, 6000, 6

**適切な取り付け調整のため、当社でのフィルター装着をお勧めいたします。

Product Number91026 - Nikon prism-to-dichroic conversion mount

本製品は、標準的な蛍光フィルタ用ホルダーではありません。TE2000の下部にプリズムを設置するためのカスタム調節用部品です。元のプリズムを取り外すとメーカーによる保証が受けられなくなる場合があります。ご注意ください。

Product Number91027 - Zeiss Axio inverted 2F

エキサイター（x）= 25mm、エミッター（m）= 25mm、ビームスプリッター= 25.5x36mm。

Product Number91029 - Zeiss Axio Imager with tilted emission filter (Push & Click)

エキサイター（x）= 25mm、エミッター（m）= 25mm、ビームスプリッター= 25.5x36mm。

Product Number91030 - Olympus XL

本キューブは、大きいフィルタが必要です。価格はお問い合わせください。

Product Number91032 - Laser TIRF for Nikon TE2000/Ti

本キューブはTIRF用に当社が推奨する厚さ2mmのミラーが装着できるように設計されており、SIMや超解像や画像分離のように高い平面度が要求されるアプリケーション用に厚さ3mmまで対応可能。組み立て時には精密なミラー角度調整を行い出荷します。**ミラーを装着しての販売のみに対応しており、単品での販売は行っていません。

Product Number91033 - Nikon Excitation Filter Ring 18mm (for 91000 cube)

Product Number91034 - Nikon Emission Filter Ring 18mm (for 91000 cube)

Product Number91035 - Nikon Excitation Filter Ring 25mm (for 91001 cube)

Product Number91036 - Nikon Emission Filter Ring 25mm (for 91001 cube)

Product Number91037 - Zeiss Axio Filter Retaining Ring 25mm (for all cubes and sliders)

Product Number91038 - BX3/IX3 filter cube (U-FF, U-M710) For Olympus BX3 and IX3 models for 25mm filters

本キューブは、ツールを必要とせずに、組立または分解できるように設計されています。対象顕微鏡は、BX43、BX53、BX63、IX73 および IX83。

Product Number91040 - Olympus U-M1000 for CX41

Exciter (x) = 20mm, Emitter (m) = 20mm, Beamsplitter = 21x29x1mm.

Product Number91041 - Laser TIRF for Olympus BX2 models

本キューブはTIRF用に当社が推奨する厚さ2mmのミラーが装着できるように設計されており、SIMや超解像や画像分離のように高い平面度が要求されるアプリケーション用に厚さ3mmまで対応可能。組み立て時には精密なミラー角度調整を行い出荷します。**ミラーを装着しての販売のみに対応しており、単品での販売は行っていません。対象顕微鏡はIX71やIX81。

Product Number91042 - Laser TIRF for Zeiss Axio

調整不可。本キューブはTIRF用に当社が推奨する厚さ2mmのミラーが装着できるように設計されており、SIMや超解像や画像分離のように高い平面度が要求されるアプリケーション用に厚さ3mmまで対応可能。組み立て時には精密なミラー角度調整を行い出荷します。
**ミラーを装着しての販売のみに対応しており、単品での販売は行っていません。

Product Number91043 - IX3-FFXL filter cube (U-M101) for Olympus IX3 models for 32mm filters

IX3用大型フィルターキューブで、大型チップの新型カメラに対応。対象顕微鏡はIX73やIX83。

Product Number91044 - Laser TIRF for Olympus BX3/IX3 models, for 25mm filters

本キューブはTIRF用に当社が推奨する厚さ2mmのミラーが装着できるように設計されており、SIMや超解像や画像分離のように高い平面度が要求されるアプリケーション用に厚さ3mmまで対応可能。組み立て時には精密なミラー角度調整を行い出荷します。
**ミラーを装着しての販売のみに対応しており、単品での販売は行っていません。対象顕微鏡はIX73やIX83。

Product Number91046 - Nikon P2-EFLC filter cube for SMZ18 & SMZ25 Stereo Microscope with 25mm filters

2013年発売の小型実体顕微鏡用キューブ。適切な取り付けのため、当社でのフィルタ装着を推奨します。

Product Number91049 - Nikon P-EFLC filter cube for SMZ800n & SMZ1270 Stereo Microscope with 18mm filters

2014年発売の小型実体顕微鏡用キューブ。適切な取り付けのため、当社でのフィルタ装着を推奨します。

Product Number91050 - Leica DMi8 standard filter cube, for 25mm filters, fits 1mm-thick dichroics

ライカDMi8顕微鏡用フィルタキューブ。本キューブは他メーカーと同サイズの大型ミラーが装着可能。厚さ1mmのミラーに対応。励起フィルタと蛍光フィルタは25mmのもの使用。フィルタ識別用プログラマブルチップが埋め込まれている。当社でフィルタをマウント時にセットコードをプラグラムします。

Product Number91051 - Leica DMi8 filter cube, for 25mm filters, fits dichroics up to 3mm thick

ライカ顕微鏡Dmi8用フィルタキューブ。本キューブは他メーカーと同サイズの大型ミラーが装着可能。厚さ3mmのミラーまで対応。励起フィルタと蛍光フィルタは25mmのもの使用

Product Number91054 - Nikon C-FLL-C Large FOV cube

フィルターサイズ
Exciter (x) = 32mm, Emitter (m) = 32mm, Beamsplitter = 32 x 44 x 2mm(カットコーナー)

Product Number91056 - Keyence filter cube for BZX series of fluorescence microscopes

本キューブには、高品質な構造化照明を行うためUFシリーズのダイクロイックミラー（UF1）を装着します。
フィルターサイズ
Exciter (x) = 25mm, Emitter (m) = 25mm, Beamsplitter = 25.5x36x1mm.

フィルターアクセサリー / DIAGNOSTIC SLIDES

Diagnostic Slides

92001 - Autofluorescent Plastic Slides

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