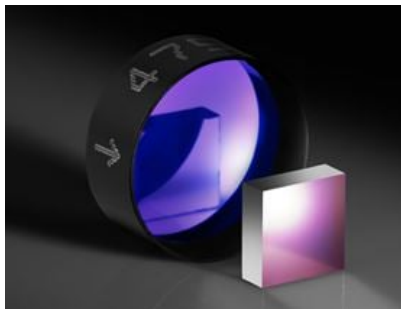


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OD8 Fluorescence Bandpass Filters



- OD ≥ 8 Blocking and $>95\%$ Minimum Peak Transmission in the Passband
- Designed for Common qPCR Fluorophores
- Excitation Filters and Emission Filters Available

Common Specifications

General

| | |
|-----------------------|------|
| Typical Applications: | qPCR |
|-----------------------|------|

Physical & Mechanical Properties

| | |
|-----------------|---------------------------|
| Thickness (mm): | 2.00 (Nominal) |
| Edges: | Painted opaque flat black |

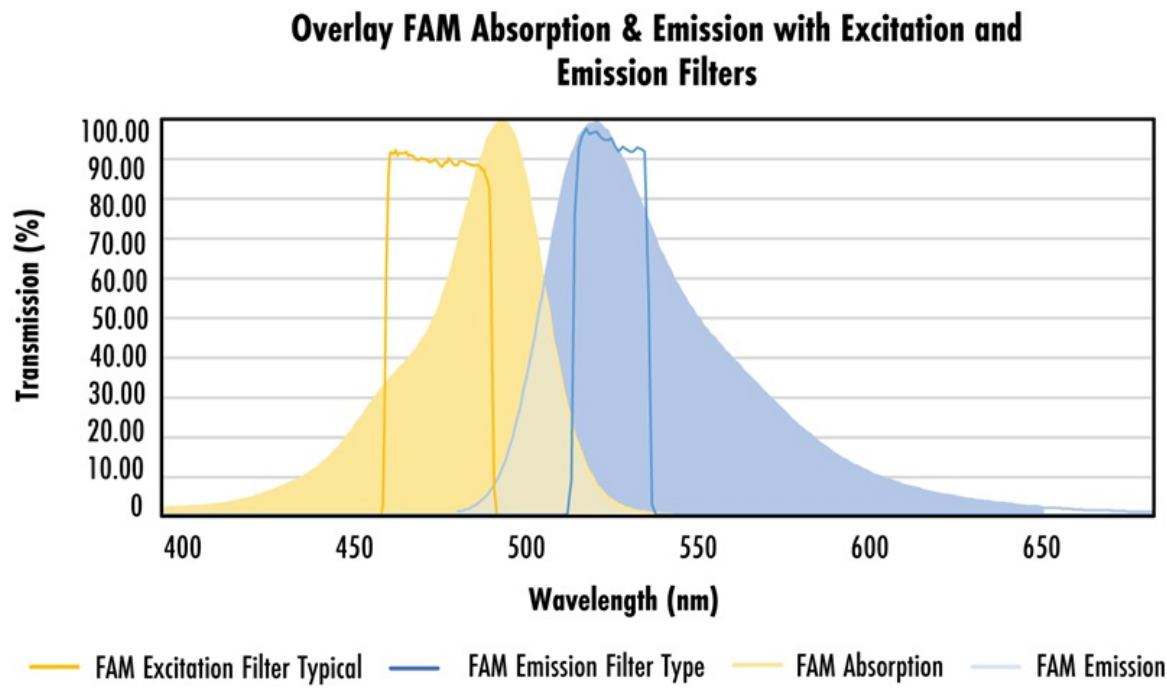
Optical Properties

| | | | |
|-------------------------------|-------|---------------------------------|----------------------------|
| Angle of Incidence (°): | 0 ±5 | | |
| Optical Density OD (Average): | ≥8.0 | Substrate: | BOROFLOAT® |
| Minimum Transmission (%): | ≥95 | Coating: | Hard Coated |
| Surface Quality: | 60-40 | Blocking Wavelength Range (nm): | 350 - 850 |
| Cone Half Angle (°): | 5 | Wavelength Accuracy (%): | ±0.25 |

Environmental & Durability Factors

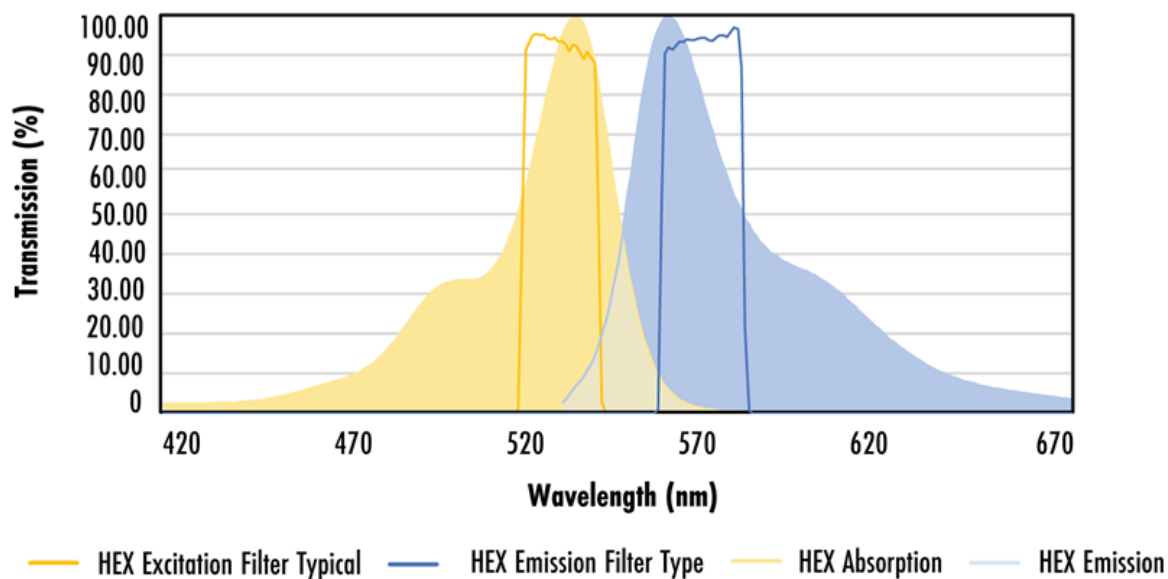
| | | | |
|-----------------------------|--|----------------------------------|--|
| Operating Temperature (°C): | >100 | Durability: | MIL-PRF-13830B |
| Environmental Durability: | MIL-STD-810E, SECTION 507.3, PROCEDURE III - AGGRAVATED CYCLE, 10 CYCLES | Coating Solubility and Cleaning: | MIL-C-48497A, IMMERSION IN ACETONE AND ALCOHOL |

Technical Information



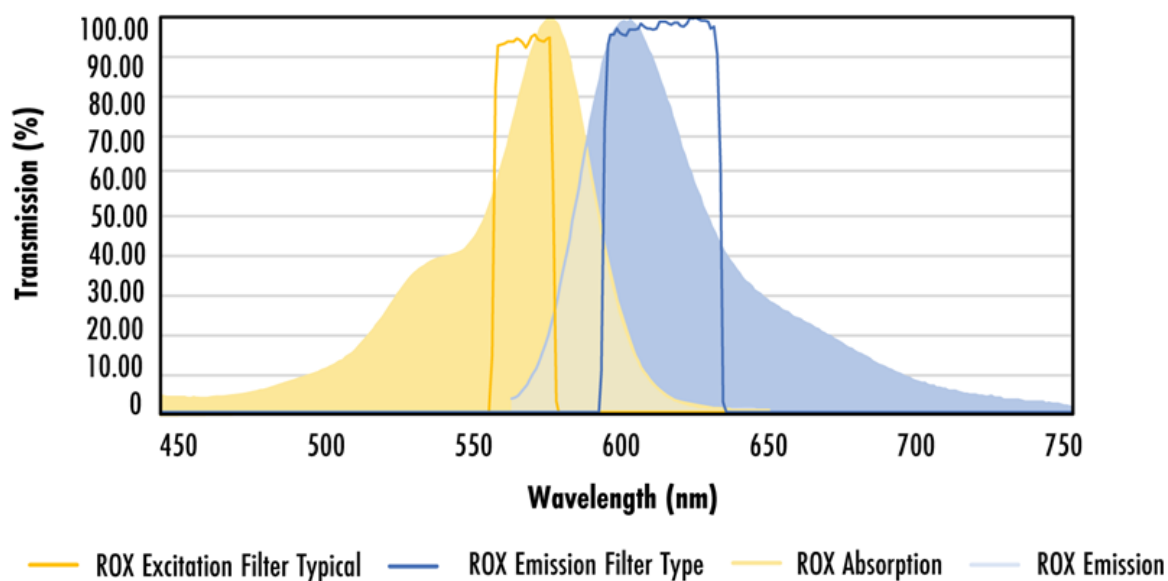
Overlay FAM Absorption & Emission with Excitation and Emission Filters

Overlay HEX Absorption & Emission with Excitation and Emission Filters



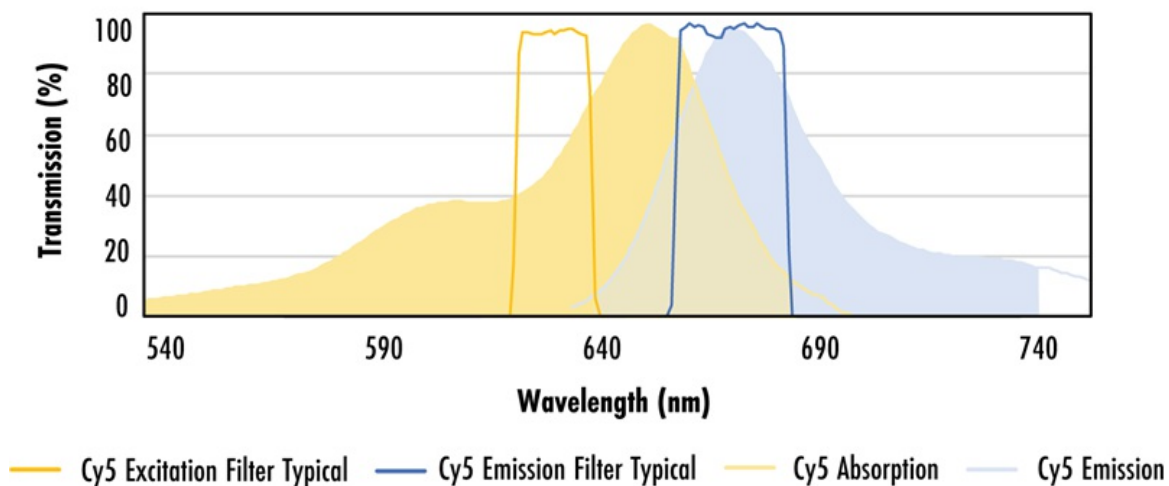
Overlay HEX Absorption and Emission with Excitation and Emission Filters

Overlay ROX Absorption & Emission with Excitation and Emission Filters



Overlay ROX Absorption and Emission with Excitation and Emission

Overlay Cy5 Absorption and Emission with Excitation and Emission Filters



Overlay Cy5 Absorption and Emission with Excitation and Emission Filters

Products

| Dia. (mm) | Dimensions (mm) | CWL (nm) | FWHM (nm) | Minimum Transmission (%) | Compatible Fluorophore | Stock Number | Price | Buy |
|--------------|--------------------|-------------|--------------|--------------------------------|---------------------------|-------------------------|---------|--------------|
| - | 6.0 x 6.0 | 475.00 | 30.00 | ≥95 | FAM Excitation | #26-716 | ₹14,792 | 20+ In Stock |
| - | 6.0 x 6.0 | 521.00 | 20.00 | ≥95 | FAM Emission | #26-717 | ₹14,792 | 20+ In Stock |
| - | 6.0 x 6.0 | 528.00 | 20.00 | ≥95 | HEX Excitation | #26-718 | ₹14,792 | 20+ In Stock |
| - | 6.0 x 6.0 | 568.00 | 22.00 | ≥95 | HEX Emission | #26-719 | ₹14,792 | 20+ In Stock |
| - | 6.0 x 6.0 | 570.00 | 20.00 | ≥95 | ROX Excitation | #26-720 | ₹14,792 | 20+ In Stock |
| - | 6.0 x 6.0 | 615.00 | 38.00 | ≥95 | ROX Emission | #26-721 | ₹14,792 | 20+ In Stock |
| - | 6.0 x 6.0 | 632.00 | 18.00 | ≥95 | Cy5 Excitation | #26-722 | ₹14,792 | 20+ In Stock |
| - | 6.0 x 6.0 | 670.00 | 25.00 | ≥95 | Cy5 Emission | #26-723 | ₹14,792 | 20+ In Stock |
| 12.50 | - | 475.00 | 30.00 | ≥95 | FAM Excitation | #26-706 | ₹29,583 | 20+ In Stock |
| 12.50 | - | 521.00 | 20.00 | ≥95 | FAM Emission | #26-707 | ₹29,583 | 20+ In Stock |
| 12.50 | - | 528.00 | 20.00 | ≥95 | HEX Excitation | #26-708 | ₹29,583 | 20+ In Stock |
| 12.50 | - | 568.00 | 22.00 | ≥95 | HEX Emission | #26-709 | ₹29,583 | 20+ In Stock |
| 12.50 | - | 570.00 | 20.00 | ≥95 | ROX Excitation | #26-710 | ₹29,583 | 20+ In Stock |
| 12.50 | - | 615.00 | 38.00 | ≥95 | ROX Emission | #26-711 | ₹29,583 | 20+ In Stock |
| 12.50 | - | 632.00 | 18.00 | ≥95 | Cy5 Excitation | #26-712 | ₹29,583 | 20+ In Stock |
| 12.50 | - | 670.00 | 25.00 | ≥95 | Cy5 Emission | #26-713 | ₹29,583 | 20+ In Stock |



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