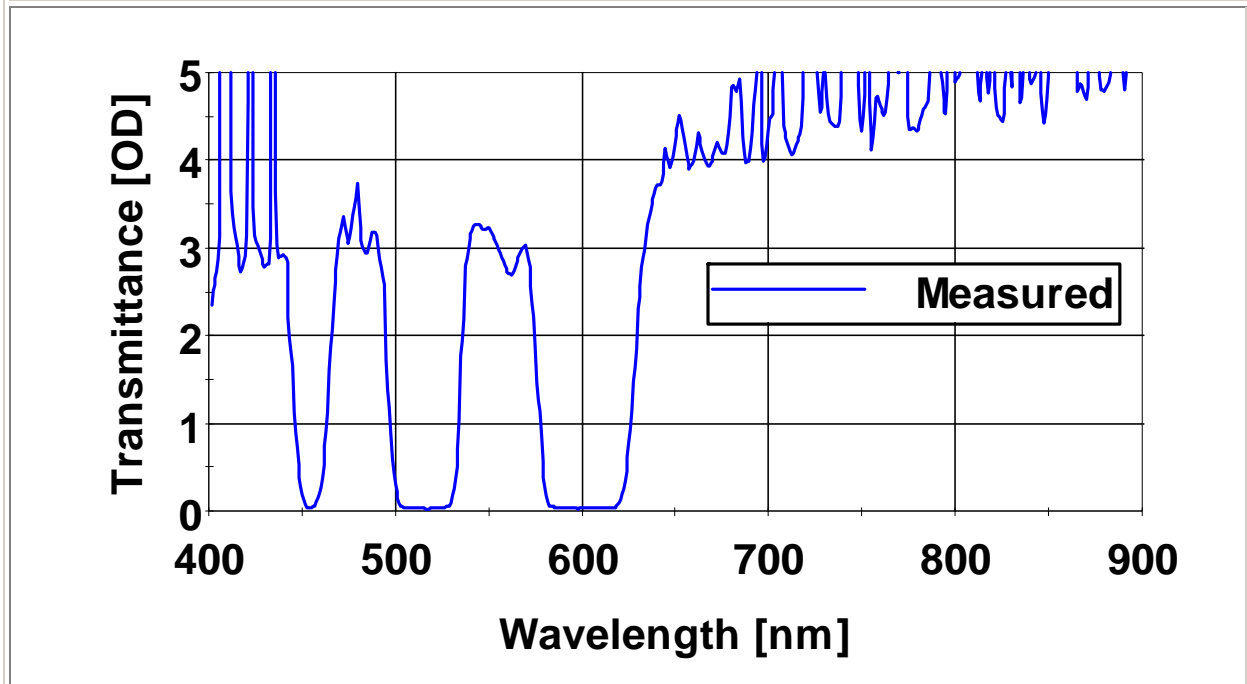
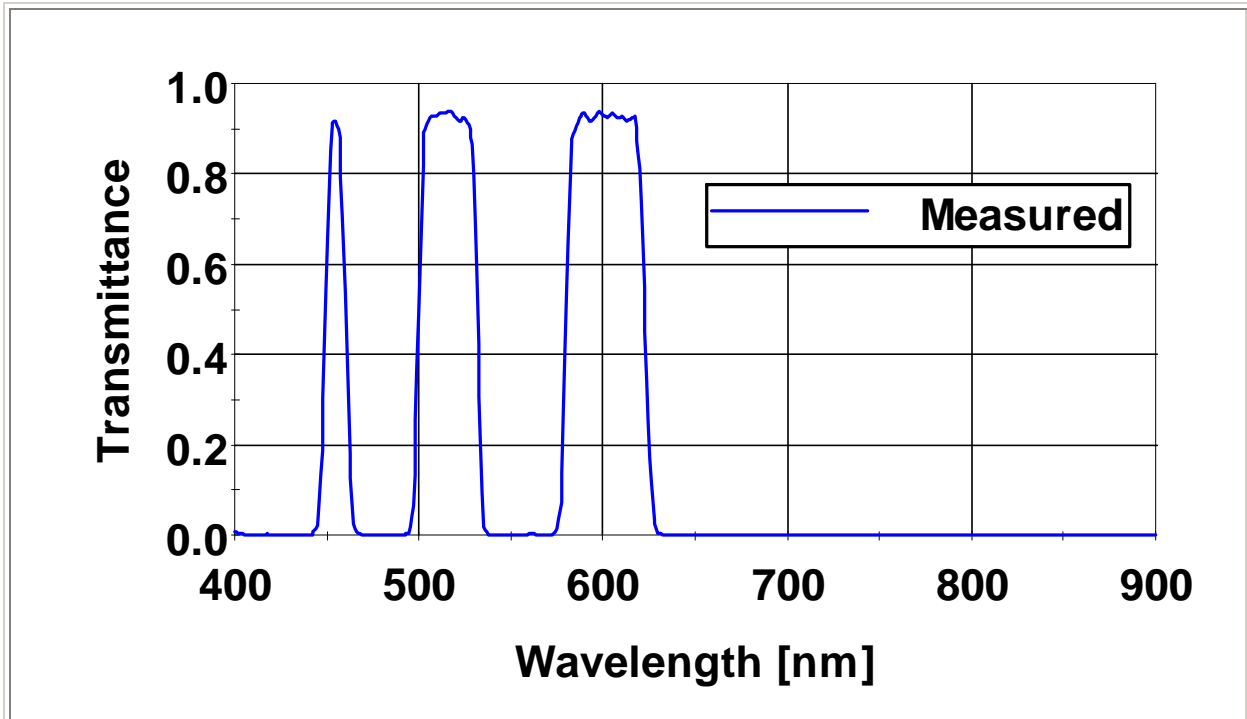


Iridian Product Example
Three Peak Emission Filter



Iridian Product Example

Three Peak Emission Filter

Three Peak Emission Filter for Fluorescence Imaging High transmission means brighter imaging of stained tissue, reducing the rate of bleaching. Excellent isolation reduces background levels. All filters use hard dielectric coatings and do not require cover glass for durability. This greatly improves the transmission levels in all our filters compared to traditional filters.

Optical Specifications

Part #	PN-ZX0000019
Pass Band	
Minimum Transmission within Pass Band	> 80%
Pass Band 1	452 nm – 458 nm
Pass Band 2	502 nm – 528 nm
Pass Band 3	582 nm – 618 nm
Blocking Ranges (nm)	Optical Density
400 nm – 435 nm	> 2.5
475 nm – 490 nm	> 2.5
540 nm – 565 nm	> 2.5
635 nm – 900 nm	> 4
Angle of Incidence	0.0 ± 5.0 °
Temperature Dependence	< 5 pm / °C

Physical Specifications

Clear Aperture	> 80% of OD
OD	25.0 +0.0/-0.1 mm
Thickness	2.0± 0.1 mm
Wedge Angle	< 30 arc-seconds
Surface Quality	60/40 scratch/dig
Flatness	λ/4 @ 630 nm

Reliability

Environmental Testing	MIL-STD-810F
Mechanical Durability	MIL-C-48497A