EverBrite™ Hardset Mounting Medium with NucSpot® 640

Biotium's hardset antifade mounting medium with NucSpot® 640 far-red nuclear counterstain.



Product attributes

For live or fixed cells	For fixed cells/tissue sections
Excitation/Emission	NucSpot® 640: 649/668 nm (with DNA)
Probe cellular localization	Nucleus
Storage Conditions	Store at 2 to 8 °C, Protect from light

Product Description

This antifade mounting medium features Biotium's NucSpot® 640 nuclear stain, for one-step mounting and nuclear counterstaining.

Features

- Self-hardening antifade medium with refractive index well-matched to glass
- Featuring the only far-red nuclear counterstains available in mounting media
- Avoid cross-talk and photoconversion from DAPI
- Bright and specific nuclear staining with far-red NucSpot® 640

Spectral Properties

- NucSpot® 640: 649/668 nm (with DNA) (for Cy®5 channel)

EverBrite™ Hardset Mounting Medium cures to form a hard, permanent seal between the slide and coverslip, eliminating the need to seal the coverslip edges. It cures overnight to a refractive index of 1.43, and continues curing over the course of four days to a refractive index of 1.46. It prevents rapid photobleaching of a wide selection of fluorescent dyes. Unlike VECTASHIELD® Mounting Medium, EverBrite™ is compatible with cyanine-based fluorophores and is optimally formulated for use with Biotium's CF® Dyes.

This mounting medium features Biotium's novel NucSpot® 640 is a far-red dye nuclear counterstain for the Cy®5 channel. Using far-red nuclear stains can avoid problems of fluorescence cross-talk and UV photoconversion with traditional dyes like DAPI.

Note: NucSpot® 640 also shows dim blue fluorescence with the DAPI filter set, and should be tested for suitability before using with blue probes, especially for epifluorescence microscopy.

See our full selection of antifade mounting media and related products:

Product	Nuclear Counterstain	Cat. No.	Features
EverBrite™ Mounting Medium	None	23001	• Wet-set mounting medium • Requires coverslip sealing • Refractive index 1.46
EverBrite™ with DAPI	DAPI	23002	
Drop-n-Stain EverBrite™ Mounting Medium	None	23008	• Wet-set mounting medium • Convenient dropper bottle • Ideal for wells & chambers • Refractive index 1.42
Drop-n-Stain EverBrite™ with DAPI	DAPI	23009	
EverBrite™ Hardset Mounting Medium	None	23003	• Hard-set mounting medium • Forms hard seal after 24 h • No coverslip sealing needed • Refractive index 1.42 after 24 h of curing, and 1.46 four days after curing
EverBrite™ Hardset with DAPI	DAPI	23004	
EverBrite™ Hardset with NucSpot® 640	NucSpot® 640	23016	
EverBrite TrueBlack® Hardset Mounting Medium	None	23017	• Unique antifade with lipofuscin quenching • Quenches as it hardens, with low background • Refractive index 1.42 after 24 h of curing, and 1.46 four days after curing
EverBrite TrueBlack® Hardset with DAPI	DAPI	23018	
EverBrite TrueBlack® Hardset with NucSpot® 640	NucSpot® 640	23019	
CoverGrip™ Coverslip Sealant	N/A	23005	• For sealing edges of wet-set coverslips

* Note: NucSpot® 640 also have dim fluorescence with the DAPI filter set, and should be tested for suitability with blue probes, especially for epifluorescence imaging.Cy Dye is a registe

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