

VECTASHIELD® PLUS

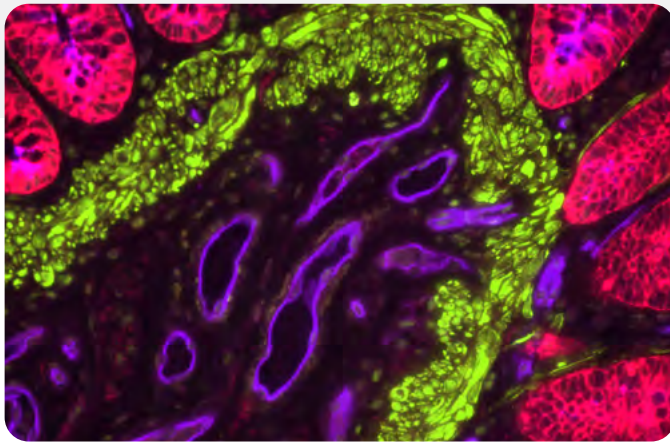
Antifade Mounting Media



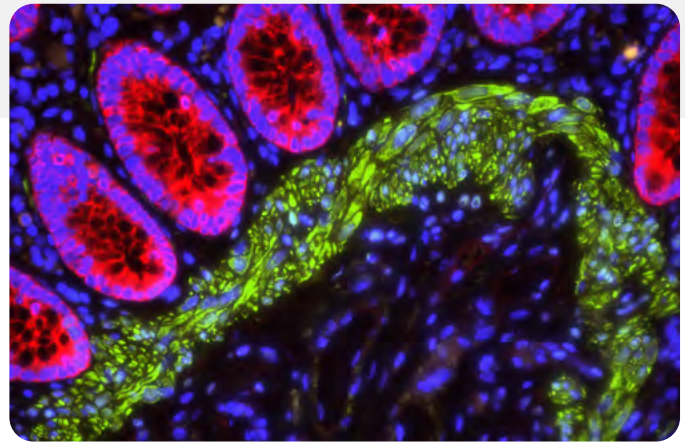
Together we breakthrough™

Introducing VECTASHIELD PLUS Antifade Mounting Media

VECTASHIELD PLUS is a new non-setting antifade formulation has been engineered to provide consistent, reliable signal retention of all commonly used fluorophores to meet the demands of research labs utilizing multiple specimen types, on various platforms, that require same day imaging and archiving options. VECTASHIELD PLUS is the second generation of the best in class antifade mounting media—VECTASHIELD. Additionally, this new formulation has improved the range of compatible fluorophores and eliminated blue background.



Human Colon: Rabbit Anti-Cytokeratin (AE1/AE3) and Mouse Anti-Desmin detected simultaneously with VectaFluor™ Duet Double Labeling Kit; Vasculature detected using Dylight™ 649 UEA I Lectin (purple). Mounted in VECTASHIELD PLUS Antifade Mounting Medium (H-1900).



Human Colon: Rabbit Anti-Cytokeratin (AE1/AE3) and Mouse Anti-Desmin detected simultaneously with VectaFluor Duet Immunofluorescence Double Labeling Kit; Dylight 488 Anti-Mouse (green)/Dylight 594 Anti-Rabbit (red). Mounted in VECTASHIELD PLUS Antifade Mounting Medium with DAPI (nuclei, blue, H-2000).

Why VECTASHIELD PLUS?

- ✓ No inherent toning or background
- ✓ Superior signal retention from the visible to far red spectrum
- ✓ Sections can be viewed in 1 hour after mounting
- ✓ Available with or without DAPI counterstain
- ✓ Superior non-setting formulation
- ✓ Available in two convenient sizes - 2 ml or 10 ml
- ✓ Compatible with commonly used fluorophores


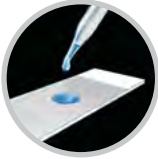

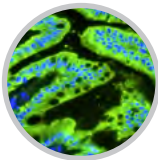

Reliable features you have come to expect from the VECTASHIELD brand

- ✓ Ideal refractive index
- ✓ Ready to use, requires no warming
- ✓ Preservation of fluorescent signals over extended periods

VECTASHIELD PLUS


The best antifade mounting media just got better!

Easy application and use of VECTASHIELD PLUS

Step 1	Immunofluorescent staining of tissue sections is completed.	
Step 2	VECTASHIELD PLUS Antifade Mounting Media is applied with coverslip.	
Step 3	Wait time of only one hour to achieve optimal conditions for signal retention.	
Step 4	Visualization of specimen under fluorescence microscope using appropriate excitation and emission filters.	
Step 5	Archiving of specimen. Store slides in the refrigerator (2 - 8 °C) in appropriate slide container for extended periods without loss of signal intensity. If desired, coverslips can be permanently sealed around the perimeter with nail polish or a plastic sealant.	

Excellent Antifade Properties Across the Spectrum, with Commonly Used Fluorophores

VECTASHIELD PLUS Mounting Media provide excellent protection against fading across the visible spectrum, even under far-red wavelengths. They are compatible with most commercially available fluorophores.

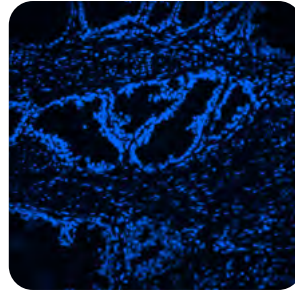
	Fluorophore	Excitation/Emission (nm)	VECTASHIELD PLUS (H-1900)	VECTASHIELD PLUSwith DAPI (H-2000)
	Fluorescein	495/515	++++	++++
	Alexa Fluor™ 488	490/525	+++	+++
	DyLight 488	493/518	+++	+++
	CY3	550/570	++++	++++
	Alexa Fluor 594	590/617	++++	++++
	DyLight 594	593/618	++++	++++
	CY5	649/670	++++	++++
	Alexa Fluor 647	650/665	++++	++++
	DyLight 649	652/672	++++	++++

Retention of signal strength after mounting +++ Excellent +++ Superior

Key Features of VECTASHIELD PLUS

» No Background Toning

No inherent background provides sharper contrast with surrounding tissue elements for superior signal interpretation and imaging.



VECTASHIELD PLUS with DAPI (H-2000)

Note black background and excellent contrast

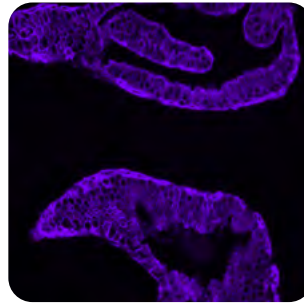


Leading non-setting antifade mounting medium with DAPI

Note hazy background and poor contrast

» View Sections One-Hour After Mounting

Serial sections stained for cytokeratin using CY5 and imaged one-hour after mounting following a 3-minute exposure under the fluorescent microscope.



Mounted with VECTASHIELD PLUS (H-1900)

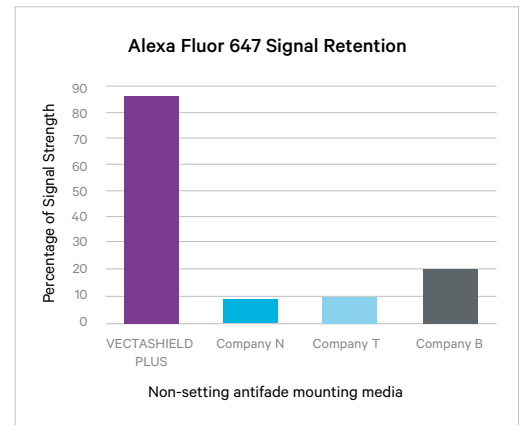
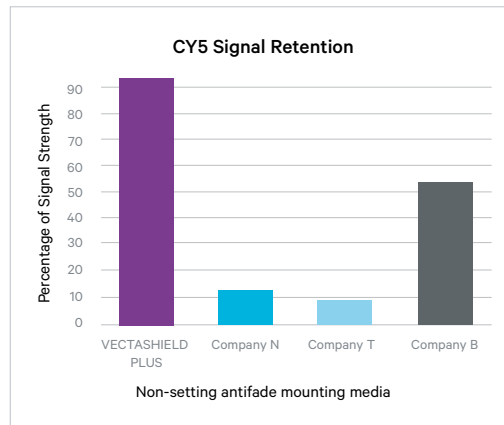
Note retention of strong specific signal



Mounted with non-setting antifade media from Company N

Note almost complete absence of specific signal

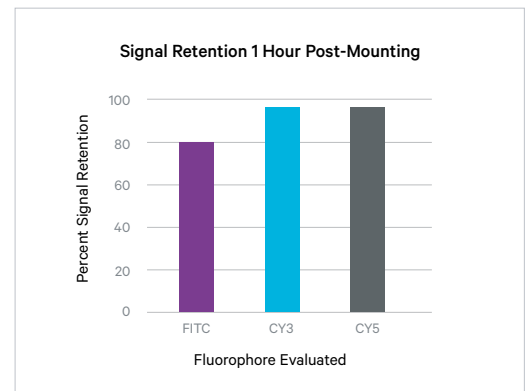
Percentage of signal retention after 3-minute exposure, 1 hour post-mounting



» Superior Signal Retention to Enhance Your Assays

VECTASHIELD PLUS is suitable for use with traditional and contemporary fluorophores across the visible and far-red spectrum.

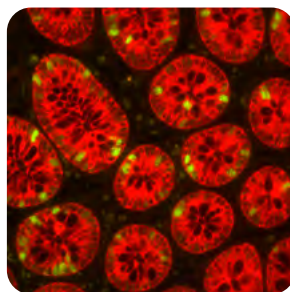
The graph to the right indicates fluorescence signal retention following a 3-minute exposure under a fluorescent microscope, imaged one hour after mounting in VECTASHIELD PLUS.



Key Features of VECTASHIELD PLUS (cont.)

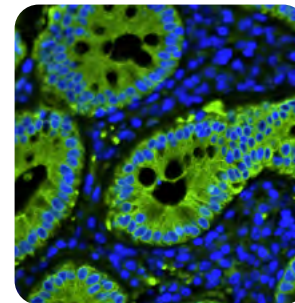
» Choices to Suit Your Needs

Offered with or without DAPI counterstain, and available in 2 ml and 10 ml sizes.



VECTASHIELD PLUS (H-1900)

Colon section stained for cytokeratin (red) and Ki67 (green)



VECTASHIELD PLUS with DAPI (H-2000)

Colon section stained for cytokeratin (green) nuclei DAPI (blue)

	Antifade protection for all fluorophores	Slides can be viewed after 1 hour	Ultra low background in all channels	Offered in different unit sizes
VECTASHIELD PLUS Antifade Mounting Media				
Company B antifade media				
Company T antifade media				

Explore our portfolio of VECTASHIELD Antifade Mounting Media Products

Product	Counterstain	Cat. No.	Unit Size	Hardening	Refractive Index
VECTASHIELD® Antifade Mounting Medium	none	H-1000	10 ml	no	1.45
	DAPI	H-1200	10 ml	no	1.45
	PI	H-1300	10 ml	no	1.45
VECTASHIELD® PLUS Antifade Mounting Medium	none	H-1900	2 ml, 10 ml	no	1.45
	DAPI	H-2000	2 ml, 10 ml	no	1.45
VECTASHIELD® HardSet™ Antifade Mounting Medium	none	H-1400	10 ml	yes	1.36 (initial) 1.46 (cured)
	DAPI	H-1500	10 ml	yes	1.36 (initial) 1.46 (cured)
	TRITC-Phalloidin	H-1600	10 ml	yes	1.36 (initial) 1.46 (cured)
VECTASHIELD® Vibrance® Antifade Mounting Medium	none	H-1700	2 ml, 10 ml	yes	1.38 (initial) 1.47 (cured)
	DAPI	H-1800	2 ml, 10 ml	yes	1.38 (initial) 1.47 (cured)

For more information please visit

vectorlabs.com/vectashieldplus

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