



VECTASHIELD VIBRANCE® ANTIFADE MOUNTING MEDIUM WITH DAPI

SKU: H-1800



DESCRIPTION

VECTASHIELD Vibrance is an aqueous mountant that sets at room temperature. Slides are viewable within one hour after mounting and can be stored at room temperature for extended periods, without loss of signal intensity, retraction of media or bubble formation. VECTASHIELD Vibrance Antifade Mounting Media provides excellent protection against fading across the visible spectrum, even under far-red wavelengths. It are compatible with most commercially available fluorophores.

- Superior antifade/anti-photobleaching properties across the spectrum
- Compatibility with commonly used fluorophores
- View sections one hour after mounting
- No tone or autofluorescent background, even after curing
- Room temperature storage of slides with extended archiving time
- Minimal bubble formation, even after several weeks storage

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



- Curing formulations with choice of counterstain (DAPI) or no counterstain
- 12 month product expiration date

Plus the same features popular with the VECTASHIELD brand:

- Ideal refractive index
- Easy to use
- Ready to use, requires no warming
- No sealing of coverslips required (curing formulations)

SPECIFICATIONS

Antifade	Yes
Counterstain	DAPI (blue fluorescence)
Mounting Medium Type	Aqueous (Hardening)
Unit Size	2 ml, 10 ml
Storage Instructions	Refrigerate
Applications	Immunofluorescence, Cellular Imaging, In situ hybridization
Cellular Stain	Nucleus
Concentration	0.9 µg/ml

TECHNICAL INFORMATION

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



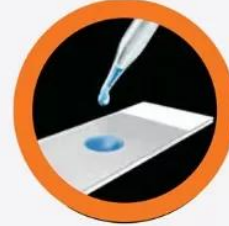
Easy Application and Use of VECTASHIELD® Vibrance™



Immunofluorescent staining of tissue sections is completed.



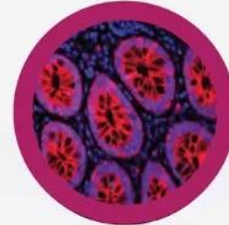
VECTASHIELD® Vibrance™ Antifade Mounting Media is applied with coverslip.



Wait time of only one hour to achieve optimal conditions for signal retention and partial curing.



Visualization of specimen under fluorescence microscope using appropriate excitation and emission filters.



Archiving of specimen. Store slides at room temperature (~25 °C) in appropriate slide container for extended periods without loss of signal intensity, retraction of media or bubble formation. No need to seal coverslips.



VECTASHIELD Vibrance Antifade Properties

VECTASHIELD Vibrance has outstanding antifade properties, across the spectrum – even under far-red wavelengths – and it is compatible with most commercially available fluorophores.

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

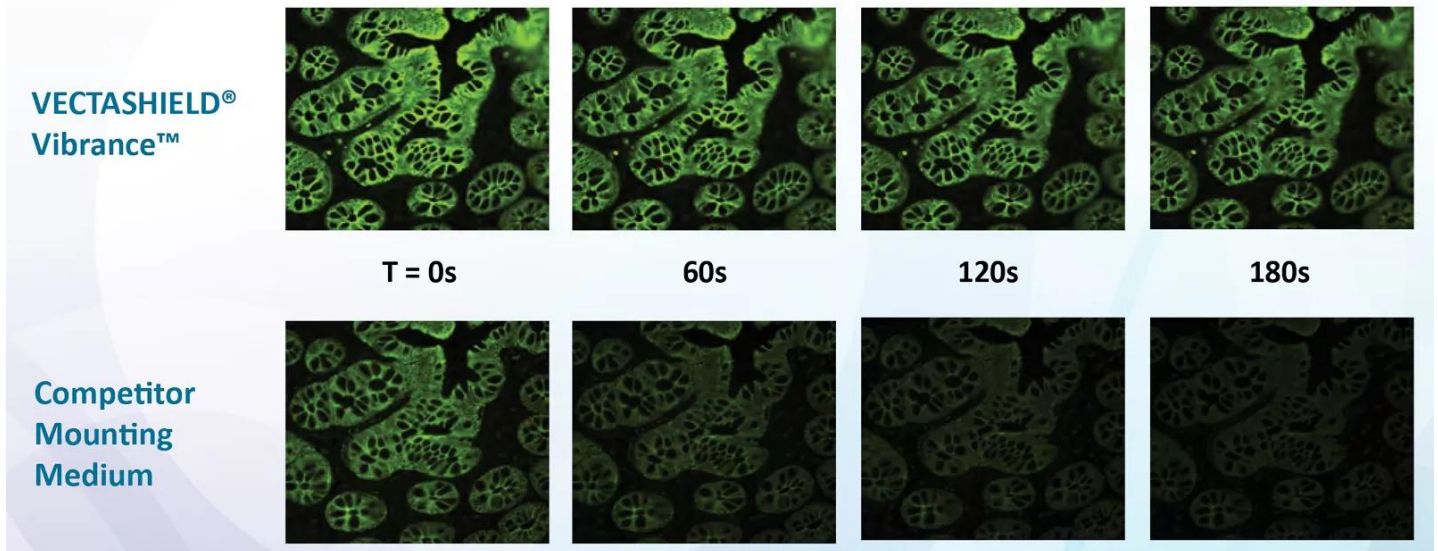


Fluorophore	Excitation/Emission (nm)	VECTASHIELD® Vibrance™ (H-1700)	VECTASHIELD® Vibrance™ With DAPI (H-1800)
Fluorescein	495/515	++++	++++
Alexa Fluor® 488	490/525	+++	+++
DyLight® 488	493/518	+++	+++
Cy® 3	550/570	++++	++++
Alexa Fluor® 594	590/617	++++	++++
DyLight® 594	593/618	++++	++++
Cy® 5	649/670	++++	++++
Alexa Fluor® 647	650/665	++++	++++
DyLight® 649	652/672	++++	++++

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

Viewable in as Little as One Hour After Mounting - No Need to Wait 24 Hours

Competitor workflows for immunofluorescence recommend that slides be viewed 24 hours after mounting. VECTASHIELD Vibrance Mounting Media, however, allow same-day viewing. Accelerate discovery without sacrificing signal intensity or retention.



Above image: Improved retention of fluorescence with VECTASHIELD Vibrance Mounting Medium. Serial sections of human colon tissue (FFPE) stained for cytokeratin (mouse primary antibody AE1/AE3) and detected with fluorescein conjugated horse anti-mouse IgG secondary

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



antibody (FI-2000). One hour after mounting with either VECTASHIELD Vibrance (top row) or a competitor mounting medium (bottom row), the sections were imaged at the intervals indicated. Note retention of fluorescent signal for section mounted with VECTASHIELD Vibrance Mounting Medium.

Extended Archiving of Mounted Sections at Room Temperature

Archiving fluorescently stained sections at room temperature often leads to signal reduction and desiccation of the specimen. Slides mounted with VECTASHIELD Vibrance Medium, however, can be stored for weeks at ambient temperature, in standard slide boxes, with no loss of specific signal intensity or specimen integrity. The stabilizing effect of VECTASHIELD Vibrance Mounting Medium provides greater flexibility for imaging and storing fluorescently stained samples.

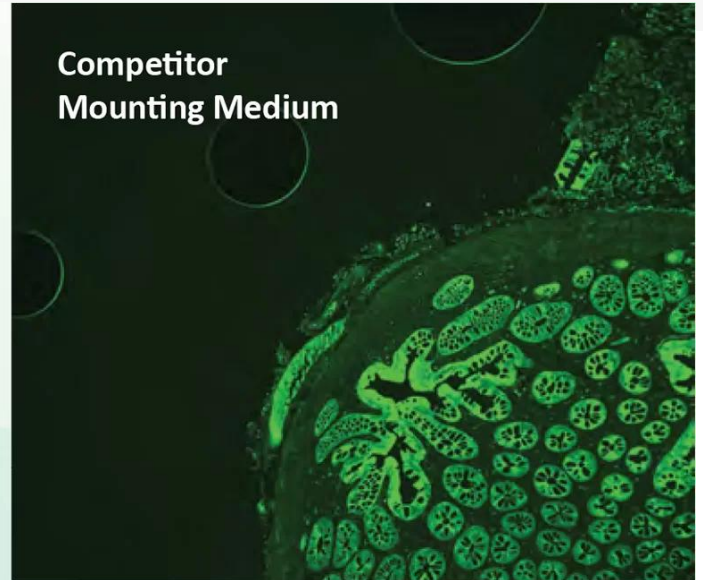
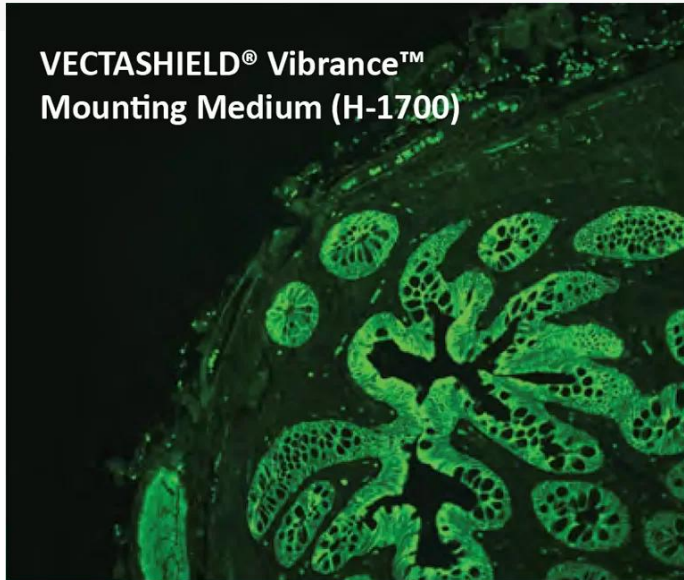


Archiving fluorescently stained sections at room temperature often leads to signal reduction and desiccation of the specimen. Slides mounted with VECTASHIELD Vibrance Medium, however, can be stored for weeks at ambient temperature, in standard slide boxes, with no loss of specific signal intensity or specimen integrity. The stabilizing effect of VECTASHIELD Vibrance Mounting Medium provides greater flexibility for imaging and storing fluorescently stained samples.

With no specimen obscuring retraction or bubble formation

Another problem commonly observed in immunofluorescence staining is the formation of bubbles over time, under the coverslip, or the shrinking (retraction) of the media. This phenomenon detracts from the overall quality of the sections and can obscure specific staining. The unique formulation of VECTASHIELD Vibrance Mounting Medium provides a uniform sheet of medium under the coverslip, with essentially no bubble formation or retraction—even after many weeks of storage at room temperature.

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



Serial sections of human colon tissue (FFPE) stained for cytokeratin (AE1/AE3, mouse primary) followed by Alexa Fluor™ 488 anti-mouse IgG secondary antibody. Sections were mounted with either VECTASHIELD Vibrance Mounting Medium (H-1700, left image) or competitor mounting medium (right image) stored at room temperature for two weeks, and then imaged.

Note the absence of bubbles and background in green spectrum in left image (VECTASHIELD Vibrance Mounting Medium) compared with right image, after two weeks at room temperature.

Summary of VECTASHIELD Vibrance Advantages Over Competitor Mounting Media

	Antifade Protection for all fluorophores	Slides can be viewed after 1 hour	Ultra low background in all channels	Room temperature storage of mounted slides	Mounting Media Storage at 4 °C	Very few bubbles
VECTASHIELD® Vibrance™ Mounting Media	✓	✓	✓	✓	✓	✓
Competitor G					✓	✓
Competitor D	✓				Freezer recommended	

Check out this video on coverslipping tips for immunofluorescence slide mounting

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



CITATIONS

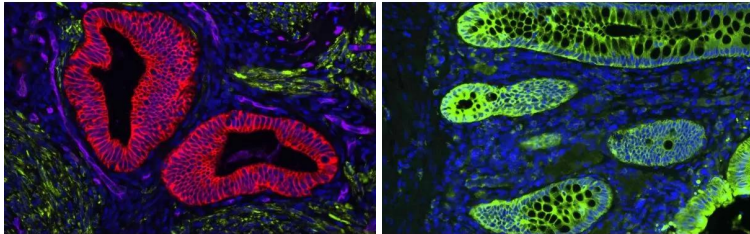


Powered by Bioz © 2023 See more details on Bioz

DOCUMENTS

- [Safety Data Sheet](#)
- [User Guide](#)
- [VECTASHIELD Fluorochrome Compatibility](#)
- [VECTASHIELD Vibrance Brochure](#)
- [In Situ Hybridization Detection Protocol](#)
- [Download CoA](#)
- [Datasheet](#)

GALLERY IMAGES



For research use only. Not intended for therapeutic or diagnostic use in animals or humans.