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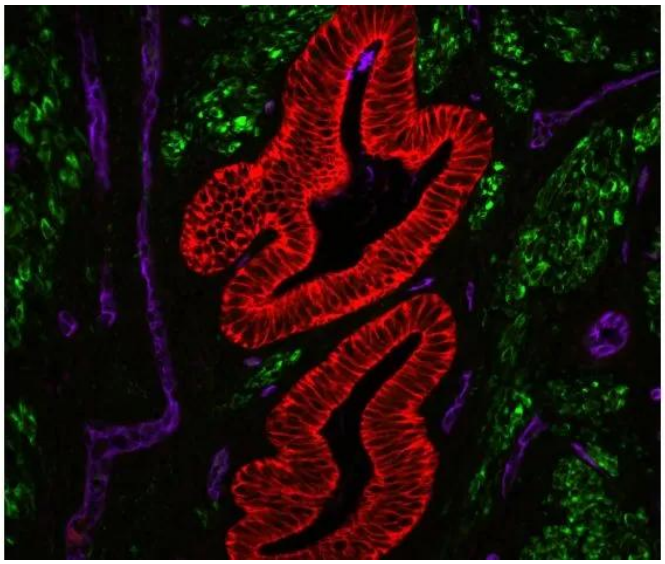
VECTASHIELD VIBRANCE® ANTIFADE MOUNTING MEDIUM

SKU: H-1700



DESCRIPTION

VECTASHIELD Vibrance Antifade Mounting Media are completely new formulations of curing (hard setting) antifade mounting media for immunofluorescence applications. These newest additions to our VECTASHIELD portfolio were developed with customer feedback to improve on parameters such as ease of use and retention of specific staining intensity over time. VECTASHIELD Vibrance Antifade Mounting Media are new tools to help investigators see more and do more with each experiment.

Features:

- 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

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- Minimal bubble formation, even after several weeks storage
- 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	None
Mounting Medium Type	Aqueous (Hardening)
Unit Size	2 ml, 10 ml
Storage Instructions	Refrigerate
Applications	Immunofluorescence, In situ hybridization, Cellular Imaging

TECHNICAL INFORMATION

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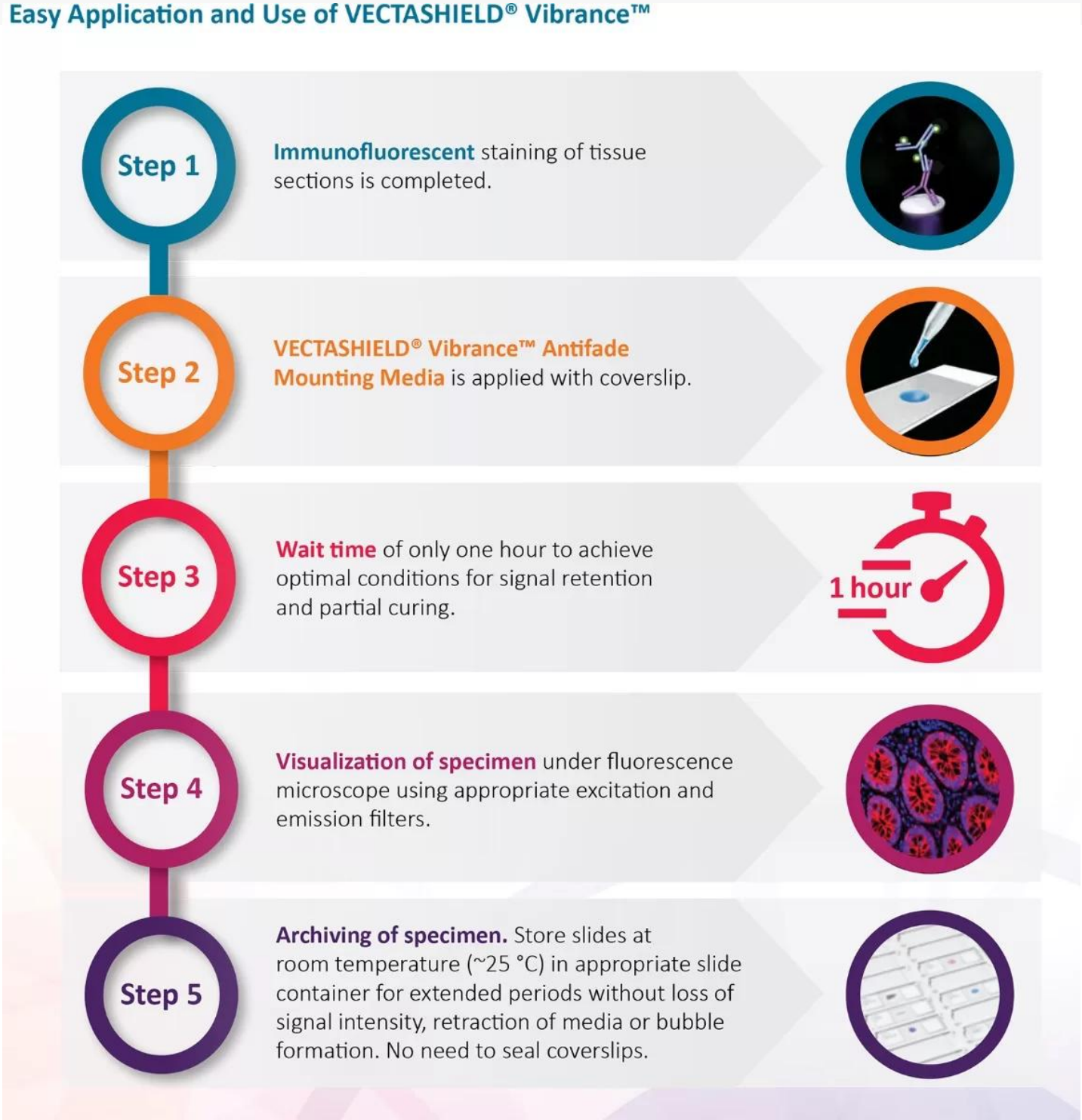

VECTASHIELD Vibrance Antifade Properties

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

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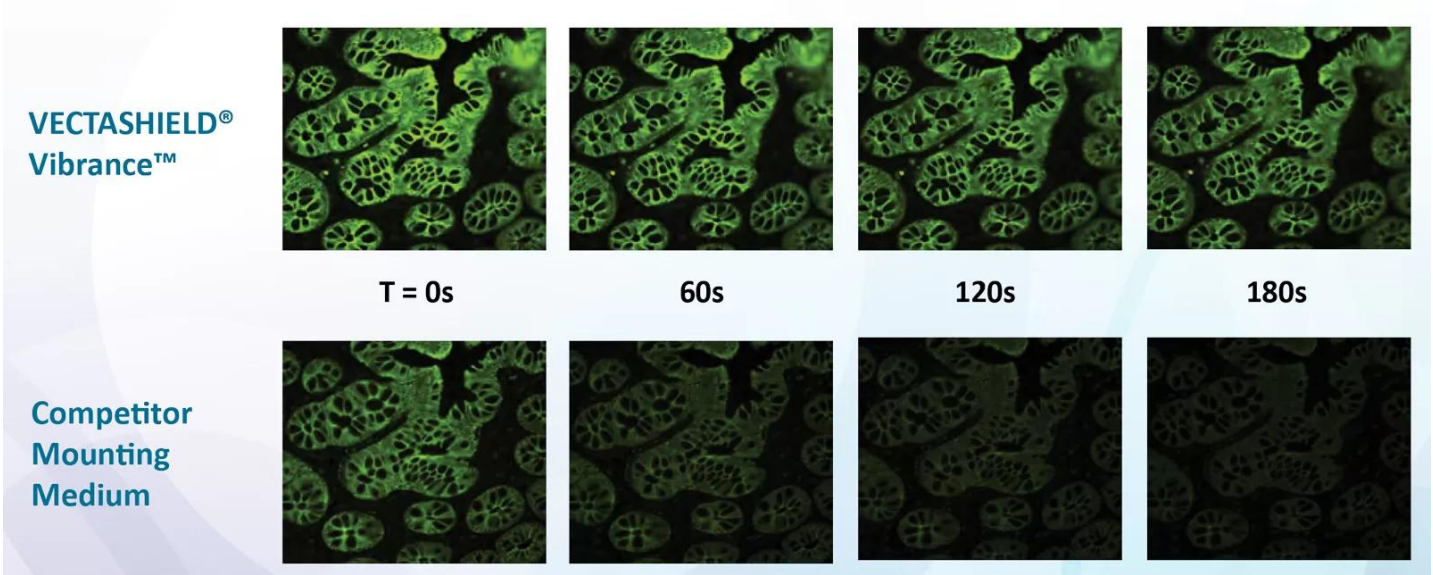
Fluorophore	Excitation/Emission (nm)	VECTASHIELD® Vibrance™ (H-1700)	VECTASHIELD® Vibrance™ With DAPI (H-1800)
Fluorescein	495/515	++++	++++
Alexa Fluor® 488	490/525	+++	+++
DyLight® 488	493/518	+++	+++
Cy® 3	550/570	++++	++++
Alexa Fluor® 594	590/617	++++	++++
DyLight® 594	593/618	++++	++++
Cy® 5	649/670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

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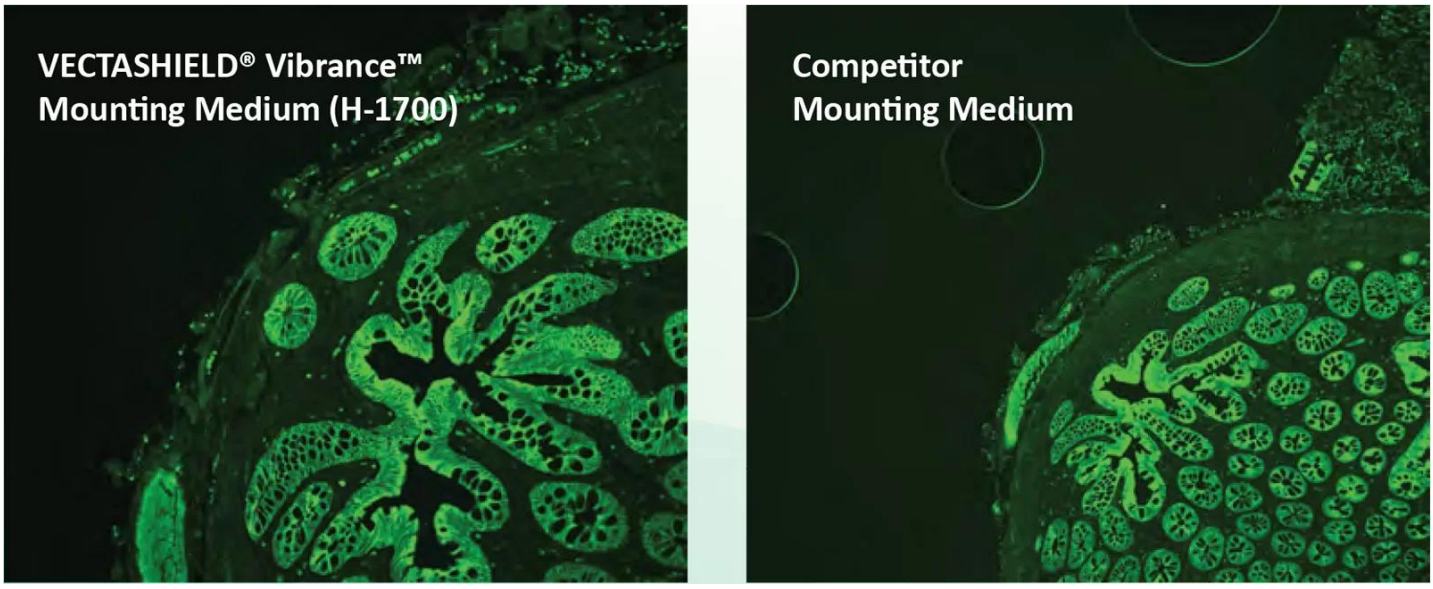
antibody (FI-2000). One hour after mounting with either VECTASHIELD Vibrance (top row) or a competitor mounting medium (bottom row), the sections were imaged at the intervals indicated. Note retention of fluorescent signal for section mounted with VECTASHIELD Vibrance Mounting Medium.

Extended Archiving of Mounted Sections at Room Temperature
Archiving fluorescently stained sections at room temperature often leads to signal reduction and dessication 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.

Lack of Bubble Formation & Media Retraction

A problem commonly observed in immunoflourescence staining is the formation of bubbles under the coverslip, or the shrinking (retraction) of the media over time. 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.

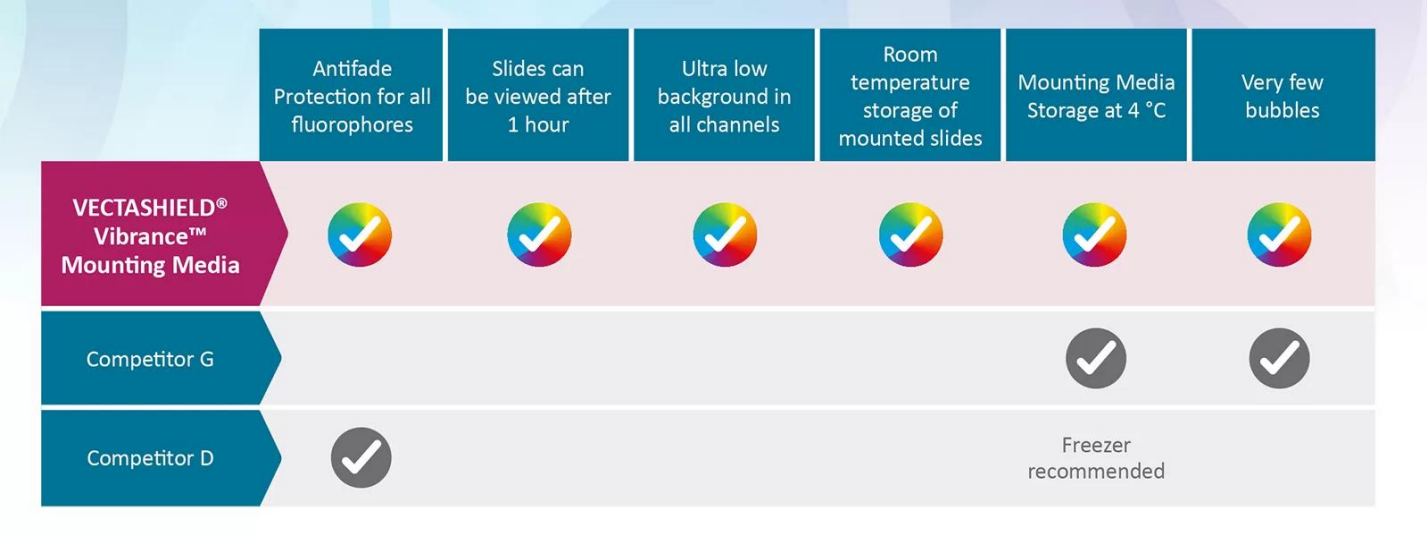


Serial sections of human colon tissue (FFPE) stained for cytokeratin (AE1/AE3, mouse primary) followed by Alexa Fluor™ 488 anti-mouse IgG secondary antibody. Sections were mounted with either VECTASHIELD Vibrance Mounting Medium (H-1700, left image) or competitor mounting

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



Check out the video below on how to use a hydrophobic barrier pen.

CITATIONS

DOCUMENTS

- Safety Data Sheet
- User Guide
- VECTASHIELD Fluorochrome Compatibility
- VECTASHIELD Vibrance Brochure
- In Situ Hybridization Detection Protocol
- Download CoA
- Datasheet

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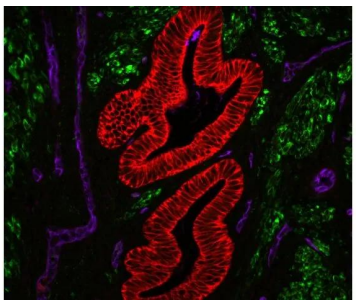
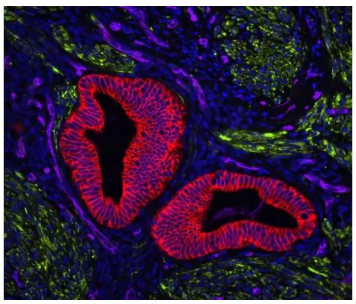
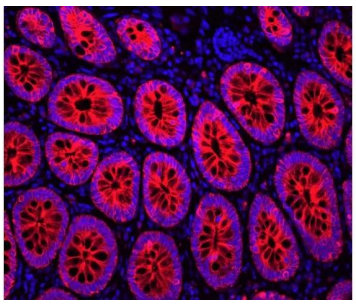
GALLERY IMAGES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