



PRODUCT INFORMATION

Product VECTASHIELD® Mounting Medium with DAPI

Catalog No. H-1200

Amount 10 ml

Concentration of DAPI 1.5 µg/ml

Storage Conditions Refrigerate in the dark

VECTASHIELD® Mounting Medium is a unique, stable formula for preserving fluorescence. VECTASHIELD® Mounting Medium prevents rapid photobleaching of fluorescent proteins and fluorescent dyes (see website for compatibility).

This special formulation of VECTASHIELD® Mounting Medium contains 4',6-diamidino-2-phenylindole (DAPI), which fluoresces when bound to DNA and is used as a nuclear or chromosomal counterstain. This product is designed to be used for *in situ* hybridization techniques or other procedures requiring fluorescent labeling of DNA. DAPI may also stain RNA but displays greater selectivity for binding DNA over RNA. DAPI excites at about 360 nm and emits at about 460 nm when bound to DNA, producing a blue fluorescence.

VECTASHIELD® Mounting Medium is supplied in a bottle fitted with a screw cap. A cap fitted with a drop dispenser pipet is also included. The screw cap can be replaced with the drop dispenser cap for routine use and during storage. Once the drop dispenser cap has been secured on the bottle, the bottle should be stored in an upright position.

To mount tissues or cells on a slide, dispense VECTASHIELD® Mounting Medium onto the specimen. The special pipet supplied with the product is designed to deliver small drop volumes of approximately 25 µl. Coverslip and allow VECTASHIELD® Mounting Medium to disperse over the entire specimen.

VECTASHIELD® Mounting Medium does not solidify, but remains a liquid on the slide and can be stored without sealing. If desired, coverslips can be permanently sealed around the perimeter with nail polish or a plastic sealant. Mounted slides should be stored at 4 °C protected from light.

Note: DAPI is a mutagen and appropriate precautions should be taken when using it.

VECTASHIELD® Mounting Media Products:

Product	Counterstain	Cat. No.	Unit Size	Hardening	Refractive Index*
VECTASHIELD® 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® Hard•Set™ Mounting Medium	none	H-1400	10 ml	yes	1.46
	DAPI	H-1500	10 ml	yes	1.46
	TRITC-Phalloidin	H-1600	10 ml	yes	1.46

*Measured at room temperature. VECTASHIELD® Hard•Set™ Mounting Medium measured after hardening.

VECTASHIELD is a registered trademark of Vector Laboratories, Inc.

Vector Laboratories, Inc., 30 Ingold Road, Burlingame, CA 94010 U.S.A.

Tel: (650) 697-3600 • Fax: (650) 697-0339 • Email: vector@vectorlabs.com • Web site: www.vectorlabs.com