

LumiMount® DAPI Fluorescence Mounting Medium

<http://www.lumiprobe.com/p/lumimount-dapi-mounting-medium>

LumiMount® DAPI is an aqueous-based mounting medium with DAPI (4',6-diamidino-2-phenylindole) for coverslipping and imaging fluorescently labeled cell or tissue samples.

DAPI is a blue-emitting fluorescent dye that binds strongly to adenine-thymine-rich regions in DNA and is used as a chromosome staining and nuclear counterstain. When bound to double-stranded DNA, DAPI exhibits ~20-fold enhancement of fluorescence with an absorption maximum at 358 nm and emission maximum at 461 nm.

LumiMount DAPI is compatible with most fluorescent markers used in microscopy applications and can reduce fluorochrome quenching during imaging due to anti-fade agent content. The refractive index of liquid mounting medium is 1.38, but it can increase to 1.46 as the water evaporates at the edges of the coverslip.

LumiMount DAPI provides a semi-permanent seal for prolonged slide storage at 2°C to 8°C. Since LumiMount DAPI is water-soluble, the coverslip may be removed by submerging the slide in a PBS solution until the coverslip is loosened. For better sealing of slides, it is recommended to seal the edges of the coverslip with waterproof nail polish.

General properties

Appearance: colorless liquid

Solubility: good in water

Quality control: refractive index, viscosity

Storage conditions: Storage: 24 months after receipt at 2-8°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid exposure to light.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.