

DAPI solution

DAPI (4',6-Diamidino-2-phenylindole) is a blue fluorescent probe used as counterstain to mark cell nuclei during immunofluorescent staining protocols.

Ordering information

Product code	DR100
Size	1 mL
Concentration	1 mg/mL
Formulation	DAPI in aqueous solution
Shelf-life	Minimum 12 months from date of shipment when stored as recommended

Properties

Molecular Formula	C ₂₂ H ₂₇ N ₅ O ₆ (DAPI, dilactate)
Molecular Weight	457.49 g/mol
CAS number	28718-91-4
Category	DNA Stains
Solubility	Soluble in water
Absorption/Emission	358/461 nm (with DNA)

Warnings

Read Safety Data Sheet before use or disposal.

Safety Data Sheets can be accessed at www.lunaphore.com/sds/

Wear appropriate Personal Protective Equipment: gloves, safety glasses, and a laboratory coat. In case of contact, wash thoroughly.

Storage conditions

Upon arrival, store the product protected from light between 2-8 °C. The product is stable for 12 months from date of shipment when stored as recommended.

Reagent preparation

Spin down vial before use to avoid reagent droplets in the cap. Prepare working solution by diluting DAPI in a diluent such as the Lunaphore MULTISTAINING BUFFER (BU06) to reach the desired concentration adapted to your immunofluorescent staining protocol. For sequential IF application on COMET™, the recommended dilution for DAPI is 1 µg/mL.

Protect from light and use immediately.

The working solution can then be loaded in the dedicated reservoir of the automated stainer and used within 48 hours.

Note: For volumes to pipette smaller than 0.5 µL, it is recommended doing a serial dilution to reduce imprecision.

Note: For details on the use of the COMET™ autostainer, refer to the COMET™ user manual.

Note: Refer to the COMET™ user manual for staining troubleshooting or contact Customer Support: support-tech@lunaphore.com

Intended use







Lunaphore's DAPI solution is used for nuclear counterstaining in immunofluorescence (IF) assays on Lunaphore's automated stainers. The DAPI solution is intended to be used by professional users, such as lab technicians, and researchers, trained in immunostaining and imaging techniques.

For research use only. Not for use in diagnostic procedures.

Disposal Information

Unused solution and containers should be discarded according to local regulations.

Description of the symbols present on the label:

Graphic	Description	Graphic	Description
	EN: Manufacturer		EN: Storage Temperature
	EN: Catalogue number		EN: Research Use Only
	EN: Batch code		EN: Read Instructions for Use