

Product No. 12745

Fluoro-KEEPER Antifade Reagent, Non-Hardening Type with DAPI

Fluoro-KEEPER Antifade Reagent, Non-Hardening Type is a mounting medium with a unique antifade reagent. It suppresses rapid photobleaching of fluorochromes for the observation by fluorescence microscopy.

There are two types of products available, with DAPI [nuclear staining dye, 4',6-Diamidino-2-phenylindole] and without DAPI. This product is with DAPI, which counterstains nucleus blue.

without DAPI	with DAPI
Fluoro-KEEPER Antifade Reagent, Non-Hardening Type (Product No.12593)	Fluoro-KEEPER Antifade Reagent, Non-Hardening Type with DAPI (Product No.12745)

Features

- Inhibits photobleaching of various fluorochromes.
- Easy to use with eye-drop bottle.
- Non-hardening type
- Counterstains nucleus blue
- Coverslipped slides can be reviewed for weeks after mounting

Composition

DAPI (4',6-Diamidino-2-phenylindole), glycerol, antifade reagent, buffer, preservative (0.09 w/w% sodium azide)

Protocol

1. Remove excess liquid from the slide and dispense one or two drops of the product onto the specimen.
2. Cover the specimen mounted slide with a coverslip.
3. The slide can be reviewed immediately. To obtain sufficient counterstain, incubate the slide for 30 minutes, at room temperature protecting from light.

* The excitation/emission wavelengths of DAPI-DNA complex are 360/460 nm.

Caution

- The product does not solidify, and thus the coverslip is not secured. If necessary, such as using with oil immersion microscopy, secure the coverslip with nail polish or other sealants.
- Coverslipped slides will not readily dry out and can be viewed without sealing. For prolonged storage, the coverslip should be sealed with nail polish or other sealants.
- Coverslipped slides should be stored at 4 °C protected from light.
- The stability of coverslipped slides depend on fluorochromes and storage condition.
- Because the product contains glycerol, it is not recommended for use with phycobiliproteins such as Phycoerythrin or allophycocyanin.
- Due to its viscosity, the reagent may clog the nozzle. Please pay attention to any overflow extruded from the nozzle when warming the reagent to room temperature.

Storage

Refrigerator, protect from light

Expiration

Expiration date is stated on the product label.

Packing

5 mL X 2 (Product No.12745-74)