

PROBE MOUNT™

Mounting Media for Immunofluorescence stains, *in-Situ* probe stains & Red color-based Special Stains
with or without coverslip
Technical Data Sheet

Reagent Category

Mounting media for mounting immunofluorescence stains, *in-situ* probes stains & Red Special Stains from water

Specific Reagents Supplied

- 60 ml of PROBE MOUNT mounting media
- 30 ml of PROBE MOUNT mounting media

PRODUCT number: NB316 (60 ml); NB316-30 (30 ml)

PRODUCT DESCRIPTION

PROBE MOUNT mounting media is suitable for mounting immunofluorescence stains, *in situ* stains counterstained with Nuclear Fast Red and for mounting Red-based special stains with and without coverslips.

For mounting Immunofluorescence stains with coverslip OR without coverslip

PROBE MOUNT is a unique mounting media for mounting and preserving immunofluorescence stains with and without coverslip. This mounting media is highly suitable for preserving immunofluorescence specimens stained with FITC, R-PE, Cy3, Cy5, Texas Red, tandem fluorochromes as well as all other fluorochromes.

For mounting specimens stained with red dyes & with Nuclear Fast Red with and without coverslip

Red nuclear dyes such as Nuclear-Fast Red are often used to stain or counterstain the nuclei in histological or cytological preparations. Counterstaining with Nuclear-Fast Red is commonly practiced when staining for DNA or RNA probes for contrasted viewing of BCIP/NBT blue chromogen. Nuclear-Fast Red is also used in counterstaining and preparation of special stains such as Muller-Mowry Colloidal Iron stain. Mounting of specimens counterstained or stained with nuclear-Fast Red requires a mounting media with special formulation; Nuclear-Fast Red-stained specimens are best mounted with mounting media that do not require alcohol and xylene pre-treatment steps.

PROBE MOUNT Mounting media is fluid at room temperature and does not require pre-warming. Mounting with PROBE MOUNT eliminates the need for alcohol dehydration and xylene clearing pre-steps; slides are simply mounted from last water rinse.

PROBE MOUNT sets quickly at room temperature when applied with a glass coverslip; 10-minute heat application at 40-50°C oven expedites the hardening process and it is optional. Mounted slides can be ready for microscopic examination in 10-minutes.

PROBE MOUNT provides permanent preservation of stained and unstained tissue sections and other biological specimens such as cell smears, cyto-spins for indefinite storage. PROBE MOUNT can be un-coverslipped by simple soaking in water for 1-2 hours to over-night depending on the age of mounted slide.

INTENDED USE/APPLICATION

PROBE MOUNT is intended for mounting special stains, immunofluorescence stains, *in-situ* DNA or RNA probes and other histological and cytological specimens counterstained with Nuclear Fast Red or with other Red-dyes. It is intended to be applied with or without coverslip.

CONTINUED OVER

STORAGE CONDITIONS

Store at room temperature through the expiration date noted on the vial label.

PRODUCT FORMAT

Working solution; NO dilution or adjustment is required.

INSTRUCTIONS

Mounting WITH coverslip & drying protocol

The following is a recommended technique for coverslipping tissue slides. Other techniques that achieve the same results are equally acceptable.

1. Take the slides from the final rinse (for best results water is quite suitable).
2. Remove excess water by tapping the slides on a paper towel, for best results let slides air dry for 5-10 minutes.
3. Place the slides down on a horizontal flat surface, face up and apply 2-3 drops of Probe Mount mounting media on the middle of the coverslip.
4. Bring the slide up to the edge of the coverslip and invert the slide so that the mounting media touches the slide and gently complete inversion.
5. For immediate viewing; Quick-Set the coverslip by placing the slides in a 40°C oven for 10-15 minutes OR let the mounted slides set at room temperature for 30-minutes before microscope viewing.

Mounting WITHOUT coverslip & drying protocol

1. Take the slides from the final wash (for best results water is quite suitable).
2. Remove excess water by tapping the slides on a paper towel.
3. Place the slides down on a horizontal flat surface, face up and apply 3 drops of Probe Mount onto the tissue.
4. Rotate the slides covered with Probe Mount to spread to a size of a quarter and covering the tissue section.
5. Place the slides horizontally in an oven at 45°C for 30-minutes.
6. Remove the slides from the oven and view microscopically.

When mounting immunofluorescence stains, keep slides in dark and avoid exposure to light.

Second Chance Coverslipping

If for any reasons unsatisfactory mounted slide such as one with some air bubbles is obtained, re-mount slides as follows:

1. Allow the coverslip to slip off the end of the slide by holding the slide at a slight vertical angle.
2. Remove excess media as if it were excess water on a slide.
3. Re-apply mounting media and coverslip.
4. Mounted slides should be properly stored following the microscopic examination. Slides are best stored in the dark and free of dust.

Coverslip Removal

When desired, coverslip mounted with "PROBE MOUNT" may be removed by soaking the slides for 1-hour to overnight. After softening the mounting media, slowly and gently pull back on the corner of the coverslip until it releases. Then rinse off the remaining mounting media by agitating the un-slipped slide in the warm water for a few moments before mounting again.

FOR LABORATORY USE ONLY

FOR ADDITIONAL TECHNICAL SUPPORT

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