

Pertex® Mounting Medium

Distributed by Pioneer Research Chemicals Ltd.



Product Codes:

PRC/R/750-250ml Pertex® Mounting Medium (1 x 250ml)

PRC/R/750/4-250ml Pertex® Mounting Medium (4 x 250ml)

PRC/R/750-1L Pertex® Mounting Medium (1 x 1L)

Pertex® Mounting Medium is for mounting coverslips to microscope slides after clearing in xylene, ethanol and some xylene substitutes.

Use:

Pertex® is a xylene-based and optically clear mounting agent used in in vitro diagnostics for mounting histological and cytological human tissue samples on slides. Mounting with Pertex® enables examination of the tissue samples under an optical microscope for diagnosis and ensures, through the airtight cover, that the tissue sample retains its colour, shape and structure during long-term storage.

Pertex® consists of synthetic resin dissolved in xylene. Pertex® is dripped onto the slide after the clearing step, the cover slip is mounted and the xylene evaporates, hardening and forming a hard, airtight, clear film that bonds the cover slip to the slide and protects the tissue. The refractive index of Pertex® (1.492) is close to that of glass, and the adhesive will therefore not be visible or interfere with examination of the preparations under the microscope.

Composition:

Xylene	30-65 %
Ethylbenzene	0-20 %
Toluene	<0.5 %
Resin	Proprietary

Specification:

Refractive index	1.492
Viscosity	650 ± 50 cP

Storage:

Store between +10°C to +30°C. Keep in original sealed packaging. Replace cap after use. Keep upright. Store in a cool, dry and ventilated area.

Shelf Life:

Shelf life unopened: 3 years from date of manufacture.

Shelf life opened: To be used as soon as possible once opened as the xylene starts to evaporate and with time the mounting medium will become more viscous.

Warnings and precautions:

Observe the hazard classifications on the label. Safety data sheet available on request. Follow laboratory Health & Safety guidelines for COSHH and biological risks.

Wear tight-fitting safety goggles or a face shield. Protective gloves must be worn. If there is a risk of skin contact, appropriate protective clothing should be worn. Use respiratory protection in case of insufficient ventilation.

Ensure good ventilation. Avoid inhaling fumes. Work with point extraction or in a fume cupboard. Avoid contact with skin and eyes. Prevent sparking due to static electricity. Protect from heat, sparks and naked flames. Eliminate all sources of ignition. Fumes can collect at floors and in low-lying areas. Use non-sparking tools and explosion-proof equipment.

Procedure:

For professional use only. For use by trained personnel only.

Pertex® is ready to use and does not need to be diluted or modified.

- 1) After clearing in xylene, it is possible to mount immediately.
- 2) If isopropanol or another clearing agent has been used, allow the solvents to evaporate slightly before mounting.
- 3) Place the slide with the section horizontal.

- 4) Drip Pertex® onto the slide. Pertex® flows easily over the glass.
- 5) Place the cover slip on the slide from one side and carefully fold it over the section to the other side to minimise air bubbles.
- 6) Leave to dry in a fume cupboard, it should be touch dry in 45-60 minutes.
- 7) Allow to fully dry for 24-48 hours before archiving.

If using a coverslipping machine follow the instructions provided by the equipment manufacturer.

The cover slip and the mounting medium can be removed by placing the glass in xylene and leaving it preferably overnight.

Instructions for disposal:

The product is classified as hazardous waste. Used solutions must be disposed of as special waste in accordance with local guidelines.

Notes:

Information provided as a guide only.

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