

Pertex® for automated coverslipping



REF	
00871.0500	00871.20L
00871.0500-EX	
00871.1000-EX	

INTENDED PURPOSE

Pertex® for automated coverslipping is a mounting medium intended for use in in vitro diagnostics for the mounting of histological and cytological human tissue samples on slides. Mounting with Pertex® for automated coverslipping enables pathological diagnosis and is intended for use by trained personnel in pathology laboratories.

USE

Pertex® for automated coverslipping 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® for automated coverslipping 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® for automated coverslipping has a lower viscosity than Pertex® and better adapted for cytology and for mounting in automated mounting instruments.

To visualise the different structures and cellular details of tissue or cell samples, thin sections, or smears are stained with histological or cytological staining solutions. The staining solutions are usually water-based, and the tissue is thus filled with water after staining. In the final stages of the staining process, the slide containing the tissue is passed through baths of increasing concentration of alcohol to progressively dehydrate the tissue. The final step is a bath of organic solvents.

Pertex® for automated coverslipping consists of synthetic resin dissolved in xylene. Pertex® for automated coverslipping 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.

Pertex® for automated coverslipping is fast drying, enabling immediate examination of the preparations. It has low viscosity, which allows it to flow easily over the glass and prevents bubbles.

SPECIFICATION

Composition

Xylene	30-65 %
Ethylbenzene	0-20 %
Toluene	<0,5 %
Resin	Proprietary

Properties

Refractive index	1,492
Viscosity	650 ± 50 cP

INSTRUCTIONS FOR USE

Storage and shelf life

Store in tightly sealed original packaging in a dry and cool place. Store in a well-ventilated place. Protect from heat, sparks, and naked flames. Protect from sunlight. Keep away from sources of ignition – smoking prohibited. Store separately from oxidising agents.

The product has a shelf life of 3 years from the date of manufacture in unopened packaging. When the packaging is opened, the xylene evaporates, making the solution more viscous over time. The expiry date is printed on the packaging label.

Warnings/precautions for safe handling

Classification and labelling information in accordance with Regulation (EC) No 1272/2008 (CLP) can be found on the product label and/or safety data sheet.

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.

Waste management

The product is classified as hazardous waste. Present for destruction according to local regulations. See safety data sheet for more information.

Sample material

The various types of samples that can be analysed are histological and cytological tissue samples.

Preparations

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

Instructions

1. After clearing in xylene, it is possible to mount immediately.
2. If isopropanol or HistoLab Clear has been used as a clearing agent, allow the glasses to evaporate slightly before mounting.
3. Place the slide with the section horizontal.
4. Drip Pertex® for automated coverslipping onto the slide. Pertex® for automated coverslipping 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.
7. Allow to dry for about a day before archiving.

When used in an automated mounting instrument – follow the operating instructions supplied with the instrument.

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



ADDITIONAL INFORMATION

Use equipment and reagents suitable for in vitro diagnostics

All serious incidents that have occurred in connection with the product must be reported to the manufacturer and the competent authority.

SOURCES

Histotechnology A Self Instructional Text, Freida L. Carson

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Catalog No.	Batch No.	In Vitro Diagnostic Use	Use By	Consult Instructions for Use	Manufacturer

Histolab Products AB



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