



Paraffin and related products

ITW Reagents offers a range of products for the processing of samples in hospital laboratories. In this promotion we focus on the **embedding** stage (paraffins) and related products such as reagents for **deparaffination-hydration** and **microscopy**.

Products for embedding

Embedding consists in replacing the water of the tissue by a liquid medium capable of solidifying under the appropriate temperature conditions. This stage provides the sample with adequate consistency and homogeneity to obtain very thin translucent sections by means of an instrument called a microtome.



Paraffin is one of the most used products in laboratories of Anatomic Pathology. The paraffin blocks are placed on a device that uses an extremely sharp knife (a **microtome**) to obtain very thin pieces of tissue.

Paraffins

Product number	Product name	CAS number	Application	Pack sizes
256993	Paraffin M.P. 55-58 °C plasticized + DMSO pellets for clinical diagnostics	8002-74-2	Embedding medium for preparation of fixed and dehydrated human tissue samples. DMSO improves paraffin penetration and sample preservation. It produces a more homogeneous matrix and better support.	6 x 1 kg 10 kg
253211	Paraffin M.P. 56-58 °C pellets for clinical diagnostics	8002-74-2	Embedding medium for preparation of fixed and dehydrated human tissue samples. Paraffin pure.	5 kg

Microtome cleaner

Product number	Product name	Application	Pack sizes
256876	Paraffin cleaner for clinical diagnostics	Paraffin residues removal for proper maintenance of the equipment used in the processing of human tissues.	6 x 100 mL



Reagents for deparaffinization-hydration

Deparaffinization-hydration is the process of removing the inclusion medium from paraffin-embedded tissue sections and rehydrating for proper penetration of the dyes.

Xylene and xylene substitutes

Product number	Product name	CAS number	Application	Pack sizes
253139	Citrosol (substitute of xylene) for clinical diagnostics CE IVD	5989-27-5	Clearing on limonene base	2.5 L, 5 L
255069	Isoparaffin H (substitute of xylene) for clinical diagnostics CE IVD	90622-58-5	Clearing on isoparaffinic base	1 L, 5 L
251769	Xylene, mixture of isomers for clinical diagnostics CE IVD	1330-20-7	Clearing on xylene base	1 L, 5 L



Reagents for microscopy

Mounting media

Mounting media interposes between the slide and the coverslip to avoid the contact of the preparation with the environmental air to preserve the sample.

Product number	Product name	Application	Pack sizes
255254	DPX, mounting medium fast (toluene base) for clinical diagnostics	Non-aqueous mounting medium	500 mL
253681	Eukitt®, mounting medium for clinical diagnostics	Adhesive and specimen preservative that can be used manually and in automated cover slipping equipment, fast drying	500 mL
255598	Histofluid®, mounting medium for clinical diagnostics	Histofluid is a transparent acrylic adhesive dissolved in xylene that hardens quickly, it does not fluoresce	500 mL
255811	Mounting medium for substitutes of xylene for clinical diagnostics	For mounting samples cleared with substitutes of xylene	100 mL

Immersion media

Immersion media are liquids, frequently natural oils, which have a defined refractive index. It is important that the refractive index (nD) is about 1.5, the figure for glass. This enables a homogeneous oil immersion to be achieved.

Product number	Product name	CAS number	Application	Pack size
251002	Immersion oil for clinical diagnostics CE IVD	8001-79-4	Immersion oil for microscopy, Refractive Index (20 °C) nD20 1.477 - 1.481	100 mL



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