

# Mounting media

Ten different media for permanent covering of samples and mounting microscopy cover slips



In order to prepare permanent sections, stained samples must be covered with a suitable mounting medium. One of the most important criteria is the refractive index that must be similar to that of glass. Other criteria include a suitable solvent, polymer and medium viscosity. After the sample is covered with the medium and cover slide is mounted, the section is protected from external factors and remains preserved for a prolonged period of time. BioMount media do not crack nor turn yellow during sample storage.

## ► BioGnost's synthetic BioMount media properties:

NAME OF BIOMOUNT MEDIUM	SOLVENT	POLYMER	VISCOSITY @ 20°C (cSt, mPa)	REFRACTIVE INDEX @ 20°C (n <sub>D</sub> )	USAGE IN AUTO-MATED COVER SLIP MACHINES
BIOMOUNT DPX	xylene (BioClear)	S	850-950	1.5210-1.5230	-
BIOMOUNT DPX HIGH	xylene (BioClear)	S	1900-2100	1.5235-1.5255	-
BIOMOUNT DPX LOW	xylene (BioClear)	S	140-160	1.5115-1.5135	✓
BIOMOUNT DPX NEW*	xylene (BioClear)	S	200-300	1.5150-1.5180	✓
BIOMOUNT NEW	isoparaffin (BioClear New)	M	950-1050	1.4385-1.4395	-
BIOMOUNT NEW LOW	isoparaffin (BioClear New)	M	130-160	1.4345-1.4365	✓
BIOMOUNT	xylene (BioClear)	M	450-650	1.4920-1.4930	✓
BIOMOUNT HIGH	xylene (BioClear)	M	5000-5500	1.4900-1.4920	-
BIOMOUNT M	toluene	M	140-160	1.4900-1.4920	✓
BIOMOUNT C	xylene (BioClear)	M	5000-5500	1.4910-1.4925	-

Legend: M - methacrylate, S – styrene (polystyrene)

\* does not contain harmful dibutyl phthalate plasticizer

\*\* contact us to find out how to decrease viscosity of a medium

## ► Water-based mounting media:

NAME OF BIOMOUNT MEDIUM	SOLVENT	POLYMER	VISCOSITY @ 20°C (cSt, mPa)	REFRACTIVE INDEX @ 20°C (n <sub>D</sub> )	USAGE IN AUTO-MATED COVER SLIP MACHINES
BIOMOUNT AQUA	water	PVP	1800-2100	1.3630-1.3670	-