

Instructions for Use

PolarStat™ and PolarStat Plus™ Embedding Medium



CATALOG NUMBER	DESCRIPTION	UNIT OF MEASUREMENT
CRYO-4	PolarStat™ Embedding Medium, 4 oz	1 each
PSP-12	PolarStat Plus™ Embedding Medium, 4 oz	6 per case
PSP-12B	PolarStat Plus™ Embedding Medium, Blue, 4 oz	6 per case
PSP-12G	PolarStat Plus™ Embedding Medium, Green, 4 oz	6 per case
PSP-12R	PolarStat Plus™ Embedding Medium, Red, 4 oz	6 per case
PSP-12Y	PolarStat Plus™ Embedding Medium, Yellow, 4 oz	6 per case

INTENDED USE

PolarStat™ Embedding Medium for frozen sections is an aqueous-based frozen section embedding medium designed to support tissue blocks in cryostat sectioning. It is formulated to promote rapid freezing, enhanced sectioning and consistent results at a working temperature of -20°C.

PolarStat Plus™ Embedding Medium for frozen sections is a medium viscosity formulation especially well suited for Mohs cryostat sectioning. It has a proprietary formulation of water-soluble glycols and resins that provide an optimal specimen matrix to bond the specimen securely to the specimen holder (chuck). This formulation freezes at optimum cutting temperatures of -10°C and below. No residue is left on slides during the staining procedure, thereby eliminating undesirable background staining.

APPLICATIONS

PolarStat™ and PolarStat Plus™ Embedding media are used to support tissue during cryotomy procedures. They form a bond with specimen holder (chuck) that secures the embedded tissue during frozen sectioning. PolarStat™ and PolarStat Plus™ freeze quickly, section smoothly, leave no residue or background staining, and dissolve completely in water.

STORAGE AND STABILITY


Store in a dry, cool, and well-ventilated place. Keep container closed when not in use.

Refer to SDS for details.

PROCEDURE

- 1 Completely coat the surface of specimen holder with a thick layer of PolarStat™ or PolarStat Plus™ Embedding media to support the tissue during sectioning.
- 2 Carefully place the tissue specimen into the medium, properly orienting and positioning the tissue. Press lightly to remove any air bubbles that could interfere with sectioning.
- 3 Apply more frozen section medium to fully surround and support the tissue.
- 4 Freeze the tissue surrounded by mounting medium to the holder using the normal method of the laboratory. The section is ready when both the tissue and medium have turned white and become firm.
- 5 The specimen is now ready for sectioning in the cryostat using normal lab procedures.

Please contact tech@statlab.com with any additional questions.

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