



Instructions for use

Phytohistol® plus 6471

Botanical Mounting Medium – No Hazardous Ingredients

Phytohistol® plus is an aqueous mounting medium *based on sugar* with the consistency of semi-liquid honey. It is ready-to-use, but you can dilute it with water as necessary.

Phytohistol® plus solidifies by water evaporation. It remains pH-neutral and, therefore, it is an *appropriate medium for acid-sensitive staining* like Hemalum, Sudan, May-Gruenwald.

We recommend Phytohistol® plus for plant specimens. Zoological specimens may become turbidly by protein residues.

Formulation

The solution contains non-crystallising sugar, Gummi arabicum, water, preserving agent (0.02 % quaternary ammonium compounds).

Storing of the medium

The solution should be stored tightly sealed at room temperature to avoid water evaporation. Shelf life is minimum 4 years after manufacture.

Application

Put some drops of the solution on the slide and let the specimen subside, optionally, push it down carefully. During this procedure the air in the specimen is replaced by the medium. That causes air-bubbles which will burst at the surface. For more structured specimens we recommend to dilute the medium with water prior to use to allow a better penetration. When all air-bubbles are gone the coverslip is applied. The space between slide and coverslip must be completely filled up with Phytohistol® plus.

After 1-1½ h you can place the slide vertically, after 4 to 8 h the water is evaporated (dependent on the layer thickness of the specimen). A rubber-like film remains. There is no shrinking of specimens for the water evaporates very slowly.

Storing of the slides

For long-term storage we recommend sealing the coverslip with our solvent-free sealant ROTI®Seal (Art. No. 6473). The specimens have a shelf life of many years.

Carl Roth GmbH + Co. KG

Schoemperlenstraße 3-5 • 76185 Karlsruhe
P.O. Box 100121 • 76231 Karlsruhe
Phone: +49 (0) 721/ 5606-0
Fax: +49 (0) 721/ 5606-149
info@carlroth.com • www.carlroth.com

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The company is a limited partnership with headquarters in Karlsruhe, reg. court Mannheim HRA 100055. Roth Chemie GmbH, with headquarters in Karlsruhe, reg. court Mannheim HRB 100428, is the personally liable partner. Managing Director: André Houdelet. Sales tax identification number: DE 143621073.

Phytohistol® plus

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| 15 ml | dropp. bottle | 6471.1 |
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Phytohistol® plus

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| 50 ml | plastic | 6471.2 |
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