

BIOMOUNT AQUA

IVD *In vitro* diagnostic medical device



Aqueous covering medium for microscope sections and mounting medium for cover glasses

INSTRUCTIONS FOR USE

REF Catalogue number: BMA-30 (30 mL) BMA-100 (100 mL) BMA-250 (250 mL) BMA-500 (500 mL)

Introduction

BioGnost's BioMount Aqua synthetic medium for covering microscope slides and mounting medium for cover glasses provides expected transparency of slides. It also provides refractive index similar to refractive indexes of glass slide and cover glass, which in turn does not lead to unwanted refraction of light. This results in clear and detailed image of the section. It is used for processing sections tested for enzymes and lipids, i.e. for testing samples that must not be dehydrated through series of ascending alcohol solutions and be cleared using xylene and xylene substitutes. A small amount of BioMount Aqua medium should be applied to the test sample in order to create a fixed permanent preparation (along with the solvent evaporation).

Product description

- BIOMOUNT AQUA** - Aqueous covering medium for microscope sections and mounting medium for cover glasses, medium viscosity (1800-2100 cSt), refractive index $n_D = 1.3630-1.3670$ at 20 °C.

Other products that can be used with BioMount Aqua:

- Glass slides for usage in histopathology and cytology, such as VitroGnost SUPER GRADE or VitroGnost COLOR, or adhesive glass slides, such as VitroGnost PLUS ULTRA, VitroGnost SIL or VitroGnost PLL.
- VitroGnost cover glass, dimensions range from 18x18 mm to 24x60 mm

Product use

After staining and rinsing, dry the residual water around the section using filter paper or dry the section using other regular method. The test sample should be covered by using a glass stick. BioMount is applied on a horizontal glass slide by a glass stick. The volume applied should be ~0.05 ml. After evenly applying the medium on the sample, a clean glass slide must be positioned without formation of air bubbles. Leave the glass slide in the horizontal position until the medium dries (apply higher drying temperatures for faster results).

Note

For satisfying results, i.e. optimal optical properties and transparency of preparations it is very important to use clean cover and slide glasses. In case BioMount Aqua becomes too viscous for routine work, an experienced expert can dilute it to target viscosity level by adding distilled or demi water. In that case both water and medium must be well stirred. Using BioMount Aqua medium is not adequate for use in H-E staining method.

Preparing the sample and diagnostics

Use only appropriate instruments for collecting and preparing the samples. Process the samples with modern technology and mark them clearly. Follow the manufacturer's instructions for handling. In order to avoid mistakes, the staining procedure and diagnostics should only be conducted by authorized and qualified personnel. Use only microscope according to standards of the medical diagnostic laboratory. In order to avoid an erroneous result, a positive and negative check is advised before application.

Safety at work and environmental protection

Handle the product in accordance with safety at work and environmental protection guidelines. Used solutions and out of date solutions should be disposed of as special waste in accordance with national guidelines. Chemicals used in this procedure could pose danger to human health. Tested tissue specimens are potentially infectious. Necessary safety measures for protecting human health should be taken in accordance with good laboratory practice. Act in accordance with signs and warnings notices printed on the product's label, as well as in BioGnost's material safety data sheet.

Storing, stability and expiry date

BioMount Aqua should be stored at temperature between +15°C and +25°C. Do not keep in cold places, do not freeze and avoid exposing to direct sunlight. Date of manufacture and expiry date are printed on the product's label.

References

- Carson, F. L., Hladik, C. (2009): *Histotechnology: A Self-Instructional Text*, 3rd ed., Chicago: ASCP Press
- Cook, D. J. (2006): *Cellular Pathology*, 2nd ed., Banbury: Scion Publishing Ltd.
- Ono, M., Murakami, T., Kudo, A., Isshiki, M., Sawada, H., Segawa, A. (2001): *Quantitative Comparison of Anti-Fading Mounting Media for Confocal Laser Scanning Microscopy*, 4th ed., Bloxham: Scion Publishing Ltd.

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	Refer to the supplied documentation		Storage temperature range		Number of tests in package	REF	Product code		European Conformity
	Refer to supplied instructions		Keep away from heat and sunlight		Valid until	LOT	Lot number		Manufacturer
IVD	For <i>in vitro</i> diagnostic use only		Keep in dry place		Caution - fragile				

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