

CANADA BALSAM

IVD In vitro diagnostic medical device **CE**

Covering medium for microscope slides and mounting medium for cover glasses

INSTRUCTIONS FOR USE

REF Product code: KB-50 (50 ml) KB-100 (100 ml) KB-250 (250 ml) KB-500 (500 ml)

Introduction

Covering/mounting medium provides quality preservation of the tested sample. BioGnost's Canada Balsam medium provides expected tissue transparency and sample preservation during the period of several years. Its viscosity level is optimally high (10,000-11,000 cSt) and its refractive index is similar to index of refraction of glass ($n_D = 1.5250-1.5270$). This medical device is based on xylene, and because of that it is compatible with BioGnost's BioClear xylene, clearing/deparaffinizing medium. A small amount of covering/mounting medium should be applied to the test sample in order to create a fixed permanent preparation (along with the solvent evaporation). Canada Balsam is suitable for preparing cytological and histological preparations.

Product description

- **CANADA BALSAM** - Covering medium for microscope slides and mounting medium for cover glasses. Contains herbal ingredients from the conifer tree

Other media that can be used with Canada Balsam:

- Clearing medium, such as BioGnost's BioClear xylene
- High-quality glass slides for use in histopathology and cytology, such as VitroGnost SUPER GRADE or one of more than 30 models of BioGnost's glass slides
- VitroGnost cover glass, dimensions range from 18x18 mm to 24x60 mm

Product use

- The sample must be completely dehydrated before covering/mounting. The test sample should be covered by using a glass stick. Canada Balsam 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 thermostat for 30-40 min in horizontal position until the medium dries. When the sample has dried, it is ready for a microscopical analysis.

Note

For satisfying results, i.e. optimal optical properties and transparency of preparations it is very important that the medium used for covering/mounting contains solvent used as the basis for the previously used clearing/deparaffinizing medium. Canada Balsam is used if BioClear xylene was used previously.

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.

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

Canada Balsam in a tightly closed original package at temperature between 15°C and 25°C. Do not freeze and avoid exposing to direct sunlight. Date of manufacture and expiry date are printed on the product's label.

References

1. Carson, F. L., Hladik, C. (2009): *Histotechnology: A Self-Instructional Text*, 3rd ed., Chicago: ASCP Press
2. Cook, D. J. (2006): *Cellular Pathology*, 2nd ed., Banbury: Scion Publishing Ltd.
3. 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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