ClariTex Slides & Coverslips IFU

ClariTex Coverslips No.1.0 Thickness

SAJ-2450-03A - 24 x 50mm
SAJ-2250-03A - 22 x 50mm
SAJ-2222-03A - 22 x 22mm
SAG-5064-02A - 50 x 64mm

ClariTex Coverslips No.1.5 Thickness

SAH-2450-03A - 24 x 50mm
SAH-2250-03A - 22 x 50mm
SAH-2222-03A - 22 x 22mm
SAF-5064-02A - 50 x 64mm

ClariTex ColourCoat Slides

MAF-0102-03A - WhiteCoat Slide
MAF-0102-03C - WhiteCoat Slide Clipped Corners
MAF-0104-03A - GreenCoat Slide
MAF-0106-03A - BlueCoat Slide
MAF-0108-03A - PinkCoat Slide
MAF-0109-03A - YellowCoat Slide
MAF-0110-03A - PurpleCoat Slide

ClariTex Routine Slides

MAE-1000-03P - Twinfrost Slide
MAH-1000-03P - Plain Slide
MAG-1000-03P - Singlefrost Slide
MAI-1000-03A - Double Twinfrost Slide

MAC-1400-02A - Supa Mega Plain Slide
MAD-1400-02A - Supa Mega Twinfrost Slide

Intended Use -
ClariTex slides and coverslips are designed for routine use in preparation of histology and cytology specimens.
For In-Vitro diagnostic use

Principle Of The Method:
Tissue sections adhere to glass slides, a coverslip (coverglass) is placed over the specimen for viewing with a microscope. The specimen is held between the coverslip and a microscope slide, and is bonded to the microscope slide and coverslip using a mounting medium (mountant). The main function of the coverslip is to ensure that specimens are presented in a flat layer of even thickness, this minimizes the need to re-focus the microscope as different regions of the specimen are viewed.

Mounting a specimen on a slide using a coverslip and mountant ensures that the specimen is held in place on the slide. It also ensures the specimen is protected from dust, accidental contact and any chemical or environmental changes such as oxidation, dehydration or humidity.

Coverslips are available in a variety of widths, lengths, and thickness. They are usually sized to fit well inside the boundaries of the microscope slide, which typically measures ~26mm x 76mm (1"x3"). Coverslips are available in several thicknesses, identified by a globally standardised numbering system.

No. 0 Thickness – 0.085 to 0.13 mm thick
No. 1 Thickness – 0.13 to 0.16 mm thick

01.140.097 V2

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No. 1.5 Thickness – 0.16 to 0.19 mm thick
No. 1.5H Thickness – 0.17 to 0.18 mm thick
No. 2 Thickness – 0.19 to 0.23 mm thick
No. 3 Thickness – 0.25 to 0.35 mm thick
No. 4 Thickness – 0.43 to 0.64 mm thick

Standard thickness of coverslips used in histology and cytology are No.1. and No.1.5 thickness.

Instructions For Use -

Safety Instructions: There is no health risk associated with this product alone. When a mountant is used in conjunction with the coverslip please refer to the Safety Data Sheet or product label supplied with the solution for information on handling, disposal, chemical warnings, precautions and product composition. Any mounting media used in conjunction with slides and coverslips, should only be handled by trained biomedical, scientific or medical staff where appropriate.

Storage Instructions: This product should be stored in a clean, dry place, at room temperature away from damp conditions.

Type Of Material To Be Used: Any specimen required for histological or cytological examination.

Handling And Treatment Before Use: ClariTex slides coverslips are designed to be ready to use with no pre-treatment or cleaning required when used for routine histology or cytology techniques.

Performance Characteristics And Method Limitations:

❶ If ClariTex slides and coverslips are used for any procedure outside of the intended use specified by CellPath Ltd, then the suitability of the product for use in the procedure, must be validated by the end user.

❷ ClariTex slides and coverslips must be cleaned thoroughly using the laboratories recommended cleaning procedure, prior to use in polarization microscopy, for analysis of crystal formation/ diagnosis of 'Gout' or for fluorescence microscopy.

❸ ClariTex slides and coverslips are not supplied sterile. ClariTex products should be sterilised according to a laboratories standard operating procedure, if a sterile coverslip is required for a diagnostic procedure.

❹ Should a coverslip need to be removed to de-stain a specimen, to enable staining to be corrected or special stains to be applied to the specimen. The coverslip can be removed in the following ways:

a. Soak the mounted slide in xylene until the coverslip detaches from the slide and specimen.
b. Place the mounted slide in an oven at 60°C for 3 to 4 hours.
c. Place the slide in a freezer for several minutes.

❺ It is recommended as good practice to coverslip one slide at a time and to use the minimal amount of mounting medium to effectively bond the coverslip to the slide.

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Recommendations:

Slide Labelling.

ClariTex ColourCoat Slides can be labelled with a CellMark Pen [MEA-0500-51A] or a 2B Pencil [MEA-2B00-52A]. If using an automated slide printer validate before use.

ClariTex Singlefrost Slides can be labelled on the frosted side with a CellMark Pen [MEA-0500-51A] or a 2B Pencil [MEA-2B00-52A].

ClariTex Twinfrost or Double Twinfrost Slides can be labelled with a CellMark Pen [MEA-0500-51A] or a 2B Pencil [MEA-2B00-52A].

ClariTex Plain Slides can be labelled with a Slide Engraver [MEA-0100-00A] or xylene resistant slide labels.

Manual cover slipping technique.

1. Lay the coverslip on an absorbent surface.
2. Place a drop or two of mounting medium toward the edge of the coverslip.
3. Remove the slide from the clearing agent.
4. Quickly wipe the rear of the slide dry.
5. Invert the slide so that specimen side of the slide is face down.
6. Lower the slide onto the coverslip, starting at one edge of the coverslip.
7. Gently press down until the mountants spreads over the entire specimen and coverglass.
8. Turn over the mounted slide.
9. Gently tease/ press out any noticeable air bubbles, before the mountant dries.
10. Remove any excess mountant around the edges of the cover slip.

For automated coverslipping techniques please refer to the user manual for the equipment.

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