

Positively Charged slides

PRODUCT INFORMATION:

PS011 - 72 slides per pack

INTENDED USE

Histological methods for preparing tissue sections for microscopic examination commonly use glass slides with a modified surface chemistry which enhance tissue adhesion. The Positively Charged Microscope Slides have a good affinity for cells and tissue sections and help them retain on the slide firmly. These slides are all pre-cleaned and ready to use which may be used across a wide range of applications which include Pathology, Cytology, Microbiology and Hematology laboratories. The positively charged microscopic slides are thoughtfully tailored to suit the laboratory needs.

SUMMARY AND EXPLANATION

Tissue loss during immunohistochemical staining procedures may occur due to weak interaction of a tissue sample with glass surfaces. Most tissue sections in an aqueous medium, pH 5-7 carry negative charges. So, sections tend to adhere well to a glass slide if it is treated in such a way as to make it positively charged. The modification is usually accomplished either by coating the slide with a basic polymer or by a chemical reaction that leaves amino groups linked by covalent bonds to the silicon atoms of the glass. Poly-L-lysine is a commonly used basic polymer. PathnSitu offers high quality, pre cleaned, ready to use charged slides. The frosted part on the slide allows user to write important information with glass slide marker resistant to xylene and alcohol. There is no need to edge the slides with diamond pencil as identifier. The technologically advanced method used to positively charge the slides resulted in better adherence and sections tend to stick even on high temperature and pressure during antigen retrieval. These are pre cleaned clear glass slides with grounded edge of 25.4 x 76.2mm (1" x 3") and (1mm - 1.2mm) thickness which help maintain specimen integrity and achieve accurate results.

STORAGE AND HANDLING

The positively charged microscopic slides should be always stored in a dry place, to avoid sticking and corrosion of the glass surface. The changes in temperature and humidity results in moisture contamination of the slides. Slides should not be stored on concrete floors and should be kept as far away as possible from heat and air conditioning to avoid large variations in temperature and humidity. Do not store slides close to solvents as this might turn their surfaces hydrophobic.

RECOMMENDED PROTOCOL

- The positively charged slides are normally ready for use.
- Labelling fields on the slides serve to clearly identify the preparations, so they must be labelled appropriately.
- The slides can be used according to the respective laboratory validated procedures.
- Avoid mishandling of slides to minimize scratches and breakage.
- PathnSitu positively charged microscopic slides are developed to work with pathology, cytology, microbiology and hematology laboratories of any source.

PRECAUTIONS

- The slides are intended for single use by qualified personnel only.
- They must not be used more than once and, after use they must be properly stored/disposed.
- Wear gloves to reduce the risk of injury from sharp glass edges as much as possible
- Any broken slides must be discarded into containers which are purpose-built for sharps.

TROUBLESHOOTING

Follow the reagent specific protocol recommendations according to data sheet provided. If unusual results occur, contact PathnSitu Technical Support at 040-2701 5544 or techsupport@pathnsitu.com

LIMITATIONS AND WARRANTY

There are no warranties, expressed or implied, which extend beyond this description. PathnSitu is not liable for property damage, personal injury, or economic loss caused by this product.

EXPLANATION OF SYMBOLS

CAT# - Catalogue number

Qty - Quantity per box / No. of slides per box