

Microscope Slides (Positively Charged)

PRODUCT INFORMATION:

REF

PS011 - 72 slides per pack

INTENDED USE

Laboratory Use Only:

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 per 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

Storage Recommendations:

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.

Laboratory Use Only

LIMITATIONS AND WARRANTY

1. This product is intended for use only by authorised, trained, and qualified personnel.
2. A qualified and trained pathologist/personnel must interpret the results of the test.
3. Interpretation of test results must be made in conjunction with relevant background information and additional laboratory findings.
4. Always use the recommended volume and concentration of reagents to ensure complete coverage of the tissue section and to minimise the risk of false-positive or false-negative results.
5. Use appropriate buffers, instruments, consumables, and incubation conditions as recommended to achieve optimal staining performance.
6. It is strongly recommended to include known positive and negative controls when performing the test to ensure the validity of results.
7. The product has been validated on formalin-fixed, paraffin-embedded (FFPE) tissues. The end user must establish performance on other tissue types.
8. Unexpected results may occur in untested tissues due to inherent variability in tissue components.
9. False-positive reactions may occur due to insufficient washing, inappropriate protocol conditions, or other contributing factors.
10. Maintain the product under the recommended storage conditions to preserve reagent stability and performance.
11. Do not use slides that appear cloudy, discoloured, or show signs of contamination. Discard any components showing signs of deterioration.
12. This product is intended for single-use application only.
13. PathnSitu makes no warranties beyond those expressly stated in the product description.
14. PathnSitu shall not be liable for property damage, personal injury, time or effort, or economic loss arising from the use of this product.
15. Please refer to the complete datasheet for all instructions, precautions, and additional product limitations.

TROUBLESHOOTING

Refer to reagent-specific protocol recommendation according to data sheet provided. If unusual results occur, contact PathnSitu Technical Support at +91-40-2701 5544 or E-mail: techsupport@pathnsitu.com.

EXPLANATION OF SYMBOLS

	Lot number / Batch number		Expiry
	Manufacturer address		Storage limitation
	Date of manufacture		Catalogue number
	Room Temperature		