

ImmunoWash Buffer (25X Concentrated)

PRODUCT INFORMATION:

REF

PS006 500ml

PS006 1L

INTENDED USE

For laboratory use only

Immunowash buffer is designed to support immunohistochemical (IHC) staining procedures on formalin-fixed, paraffin-embedded (FFPE) tissue sections, ensuring optimal washing between incubation steps for consistent and reliable staining results. Performance should be verified using appropriate positive and negative controls, and results should be interpreted by qualified laboratory personnel.

SUMMARY AND EXPLANATION

Immunowash Buffer is a 25X concentrated (pH is 7.4 to 7.6). A Tris-based solution is used to rinse reagents off slides and to provide a medium for the short-term storage of immunohistochemistry specimens between reagent applications.

PRINCIPLE OF THE PROCEDURE

Wash buffers are used to rinse away reagents between steps of manual and automated IHC staining protocols. This solution helps maintain the morphological characteristics of the antibodies and their respective epitopes, facilitating the specific binding necessary in an IHC reaction to promote effective washing and prevent non-specific background staining.

REAGENT PROVIDED

The reagent is supplied in 500ml and 1 L formats of ImmunoWash Buffer (25X concentrated).

STORAGE AND HANDLING

Store at 2-8°C for up to 18 months from the date of manufacture (see product label for the expiration date).

Reagent Preparation

1. Prepare a working solution as follows:

Dilute the concentrated Immunowash Buffer with DI water at a 1:25 ratio.

Recommended Protocol(s)

- When used with manual IHC staining techniques, agitate slides 5 times in the wash buffer to remove excess staining reagents.
- When used with automated IHC staining techniques, use according to the instrument manufacturer's specifications.

INTERPRETATION OF RESULTS

The clinical interpretation of any staining, or the absence of staining, must be complemented by morphological studies and evaluation of proper controls. A qualified pathologist must evaluate the patient within the context of their clinical history and other diagnostic tests.

QUALITY CONTROL PROCEDURES

Refer to NCCLS Quality Assurance for Immunocytochemistry approved guidelines, December 1999 MM4-A Vol. 19 No.26 for more information on tissue controls.

WARNINGS AND PRECAUTIONS

- This product should be used by qualified and trained professional users only.
- The product is azide free, for further details, refer to the MSDS
- Dispose of waste observing all local, state, provincial or national regulations.
- Use protective clothing or laboratory aprons while handling reagents.
- Do not use it after the expiration date printed on product labels. The user must validate any storage conditions that differ from those specified in the package insert.
- Bring all reagents, slides, and specimens to room temperature (18- 24° C) prior to use.
- Avoid contamination of reagents, as this could produce incorrect results.
- Avoid contact with reagents in the eyes and mucous membranes. If reagents come into contact with sensitive areas, wash them thoroughly with copious amounts of water.
- Avoid always splashing or generating aerosols.

Laboratory Use Only

- Reusable glassware must be washed and thoroughly rinsed free of detergents prior to use. All glassware must be clean and dry before use.
- Never pipette by mouth and avoid contact with reagents and specimens with skin and mucous membranes. If contact occurs, wash with germicidal soap and copious amounts of water.

TROUBLESHOOTING

- Follow the specific protocol recommendations according to the data sheet provided.
- Gently mix all the reagents prior to use.
- Immunohistochemistry is a multiple-step diagnostic process that requires specialised training and selection of appropriate reagents and controls. The protocols for a specific application can vary. It is the end-user's responsibility to determine the optimal conditions.
- If unusual results occur, contact PathnSitu Technical Support at +91-40-2701 5544 or E-mail: techsupport@pathnsitu.com.

LIMITATIONS

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

REFERENCES

NCCLS Quality Assurance for Immunocytochemistry approved guideline, December 1999 MM4-A Vol. 19 No.26, for more information on tissue controls.

EXPLANATION OF SYMBOLS

LOT

Lot number / Batch number



Expiry



Storage limitation



Manufacturer

address



Date of manufacture

REF

Catalogue number