

Primary Antibody Diluent

PRODUCT INFORMATION:

REF	
PS010	10ml
PS010	100ml

INTENDED USE

For laboratory use only

This reagent is intended for use as an ancillary component in histopathology and immunohistochemistry procedures to support visualization of cellular and tissue components in formalin-fixed, paraffin-embedded (FFPE) tissues. Results should be verified with appropriate positive and negative controls and interpreted by qualified laboratory personnel.

SUMMARY AND EXPLANATION

The selection of appropriate diluent and optimum dilution is the essence of superior staining in IHC. Ionic strength, pH, and the presence or absence of detergents can affect the binding and stability of primary antibodies. The optimal pH together with stabilizing proteins in Primary Antibody Diluent ensures maximum stability and higher dilution factors of primary antibodies. The Universal Primary Antibody Diluent from PathnSitu works as a background reducer, Negative control and helps in optimizing primary antibodies with higher concentrations.

STORAGE AND HANDLING

Storage Recommendations: Store at 2-8°C. When stored at the appropriate condition, the retrieval buffer is stable until expiry. **Do not use the diluent after expiration date provided on the container.**

To ensure proper reagent performance delivery and stability, replace the dispenser cap after every use and immediately place the vials at recommended storage conditions and keep away from sunlight and heat in an upright position.

If reagents are stored under conditions other than those specified in the package insert, the user must verify them. Diluted antibodies should be used promptly; any remaining reagent should be stored at 2-8°C.

RECOMMENDED PROTOCOL

1. Bring the diluent to room temperature (RT, ~20–25°C) before use.
 2. Mix gently by inverting the container or vortexing briefly. Do not freeze-thaw repeatedly.
 3. Determine the optimal dilution factor for your specific antibody and assay.
 4. Dilute the primary antibody using the diluent in a clean Eppendorf tube.
 5. Mix gently and avoid bubbles.
 6. Apply diluted primary antibody to your sample (e.g., tissue section).
 7. Incubate according to your assay protocol.
 8. Proceed with standard wash steps and detection procedure.
- Note: PathnSitu Primary Antibody Diluent is developed to work with primary antibody of any source. Please refer to the respective primary antibody datasheet for dilution information.

PRECAUTIONS

1. This product should be used by qualified and trained professional users only.
2. It contains less than 0.1% Sodium Azide (NaN₃). Sodium azide is used as a preservative and is highly toxic in its pure form.
3. Flush ample amount of water during disposal of reagents containing sodium azide. For further details refer MSDS.
4. Dispose of waste observing all local, state, provincial or national regulations.
5. Do not use reagents after expiration date.
6. Use protective clothing or laboratory aprons, while handling reagents.
7. Avoid contamination of reagents as it may lead to incorrect results.

TROUBLESHOOTING

1. Follow the specific protocol recommendations according to data sheet provided.
2. Gently mix all the reagents prior to use.
3. If unusual results occur, contact PathnSitu Technical Support at +91-40-2701 5544 or E-mail: techsupport@pathnsitu.com.

Laboratory Use Only

PERFORMANCE CHARACTERISTICS

PathnSitu products will undergo a through quality control check before its release to the market. The Primary Antibody Diluent showed consistent results with different antibodies when used within a single lot and between lots and wherever applicable. The products have been determined to be stable for the periods specified on the labels by standard real time methods.

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 reagents that appear cloudy, discoloured, or show signs of contamination. Discard any components showing signs of deterioration.
12. PathnSitu makes no warranties beyond those expressly stated in the product description.
13. PathnSitu shall not be liable for property damage, personal injury, time or effort, or economic loss arising from the use of this product.
14. Please refer to the complete datasheet for all instructions, precautions, and additional product limitations.
15. For detailed information and specifications on individual components, please refer to Product Material Safety Data Sheet (MSDS).

EXPLANATION OF SYMBOLS

LOT

Lot number / Batch number



Expiry



Storage limitation



Manufacturer address



Date of manufacture

REF

Catalogue number