

Bluing Solution

PRODUCT INFORMATION:

REF

PS030 2.5Lit

PS030 1Lit

PS030 500ml

PS030 100ml

INTENDED USE

For laboratory use only

This product used in immunohistochemical techniques as a tap water substitute to enable fast and accurate bluing of nuclear chromatin and membranes of the cell nucleus. It is intended for laboratory use only and is not intended for diagnostic, therapeutic, or human use.

SUMMARY AND EXPLANATION

Bluing solution is a solution which allows the bluing of nuclei stained with Hematoxylin.

The hematoxylin gives a reddish hue to the tissues because of its acidic pH. To convert this colour to the final blue, alkaline pH is required. This process is called "bluing". It can be used for both histological or cytological staining.

PRINCIPLE OF THE PROCEDURE

Followed by Hematoxylin staining in IHC or H&E procedure of a histological specimen,

1. Add PathnSitu's Bluing Solution until nuclei are blue (1-2 minutes).
2. Rinse in Tap water.
3. Dehydrate, clear, and mount in permanent mounting medium.

STORAGE AND HANDLING

Storage Recommendations:

Store at RT. When stored under the appropriate conditions, the Bluing Solution remains stable until expiry. Do not use the Bluing Solution

after the expiration date provided on the container. To ensure proper reagent performance and stability, replace the dispenser cap after every use. Immediately place the vials in the recommended storage conditions, keeping them away from sunlight and heat, and store them in an upright position.

PRECAUTIONS

1. This product should be used by qualified and trained professional users only.
2. The product is azide-free; for further details, refer to the MSDS
3. Dispose of waste observing all local, state, provincial or national regulations.
4. Do not use reagents after the expiration date.
5. Use protective clothing or laboratory aprons while handling reagents.
6. Avoid contamination of reagents, as it may lead to incorrect results.

PERFORMANCE CHARACTERISTICS

PathnSitu products will undergo a thorough quality control check before their release to the market. The Bluing Solution showed consistent results with Various methods, including IHC and H&E, when used within a single run, between runs, and between lots, wherever applicable. The products have been determined to be stable for the periods specified on the labels either by standard real-time or accelerated testing methods.

LIMITATIONS AND WARRANTY

1. This product is intended for use only by authorized, 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

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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. This product is intended for single-use application only. Once applied to a tissue section, reagents should not be recovered or reused, as this may compromise test integrity and specificity.
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.
16. For detailed information and specifications on individual components, please refer to Product Material Safety Data Sheet (MSDS)

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.

REFERENCES

1. Sheehan, D.C. et Hrapchak, B.B. (1980): Theory and Practice of Histotechnology, 2nd ed St. Louise: CV Mosby Co.
2. Kiernan J. A. (2008) Histological and histochemical methods, 4th ed. Bloxham: Scion Publishing Ltd.

EXPLANATION OF SYMBOLS



Lot number / Batch number



Expiry



Manufacturer address



Storage limitation



Date of manufacture



Catalogue number

RT Room Temperature