

## 40X Immuno Wash Buffer

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### Intended Use

For In Vitro Diagnostic Use.

### Product Description

40X Immuno Wash Buffer washes and removes excess reagents during immunostaining. It works well for manual and automated immunohistochemistry applications as well as other laboratory procedures requiring a high quality TBS buffer with superior pH stability. The TBS contains surfactant and allows for reagents to spread more uniformly across tissue section on slides.

### Summary and Explanation

Optimal immunostaining not only depends on the specificity of the primary antibody and other immunoreagents but also depends on obtaining a good signal to noise ratio. Binding of an antibody to its epitopes involves van der Waals forces, electrostatic forces and hydrophobic forces. Certain antibodies have tendency to bind loosely and nonspecifically to unrelated epitopes, which can create undesired background staining. In order to remove these nonspecifically bound antibodies, a thorough washing is required after each immunostaining step. Immuno Wash Buffer is specifically designed to remove such loosely bound antibodies effectively and efficiently and to provide a cleaner background staining.

### Format

40X Concentrated

### Volume/UOM

250mL

### Storage and Handling

Store at room temperature. Do not use after expiration date printed on label.

### Preparation of Working Solutions

1. Dilute one part 40X Immuno Wash Buffer with 39 parts deionized or distilled water. To dilute all 250mL, dilute with 9.75L deionized water.

### Protocol Recommendations

1. After each immunostaining step, wash slide(s) with 1x Immuno Wash Buffer three times.
2. Remove excess buffer from slide and proceed to the next immunostaining step.

### Quality Control

Refer to CLSI Quality Standards for Design and Implementation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/LA28-A2). CLSI Wayne, PA, USA ([www.clsi.org](http://www.clsi.org)). 2011.

### Troubleshooting

Contact Diagnostic BioSystems Technical Support at (925) 484-3350, extension 2, [techsupport@dbiosys.com](mailto:techsupport@dbiosys.com) or your local distributor to report unusual staining results.

### Warranty

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

### Performance Characteristics

The protocols for a specific application can vary. These include, but are not limited to: fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of Diagnostic BioSystems products. Ultimately, it is the responsibility of the investigator to determine optimal conditions. These products are tools that can be used for interpretation of morphological findings in conjunction with other diagnostic tests and pertinent clinical data by a qualified pathologist.

### Precautions

1. Wear disposable gloves when handling reagents.
2. Specimens, before and after fixation, and all materials exposed to them should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water.
3. Microbial contamination of reagents may result in an increase in nonspecific staining.
4. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.
5. Do not use reagent after the expiration date printed on the label.
6. The MSDS is available upon request.
7. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.