

## TissueBond™ Reagent

Catalog Number: K013

**\*\*This data sheet is applicable to all sizes (volume) of product.  
Actual volume is indicated on vial.**

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Effective Date: 1/06/2020

### Intended Use

For In Vitro Diagnostic Use.

### Product Description

TissueBond reacts with silica glass to change its surface chemistry so that it may bond either ionically or covalently with aldehyde and ketone groups in tissue sections.

### Summary and Explanation

Proper tissue adhesion to glass slides is a critical step in immunohistochemistry. Good immunostaining may require harsh pretreatment of tissues for antigen retrieval (e.g. proteolytic enzyme digestion, boiling in high pH buffer, treatment with detergents or saponin). Improper adhesion of tissue sections can lead to poor quality staining or even loss of tissue sections. White glue, albumen, chrome-gelatin, and poly-L-lysine increase background staining. There is a need for a tissue adhesive that can irreversibly bind tissue sections to glass without creating background staining. Glass treated with TissueBond can be used for both paraffin and frozen tissue sections.

### Format

Slightly viscous ready to use clear solution

### Volume/UOM

7 mL

### Storage and Handling

Store at 2-8°C. Do not use after expiration date printed on label.

### Preparation of Working Solutions\*

1. Working Solution should be prepared just prior to use.
2. Add the entire content of TissueBond in an Acetone compatible container.
3. Add acetone to make a volume of 350ml and stir well. This solution is enough for coating 500 slides.

\*Once the bottle has been opened, use it immediately. Prolonged storage is not recommended. Discard unused working solution.

### Protocol Recommendations

1. Place slides in a metallic or acetone-resistant slide holder. Clean slides by immersing them in acetone for 1 minute.
2. Immerse slides in TissueBond working solution for 30 seconds.
3. Remove and drain slides. Rinse slides thoroughly with deionized water three times.
4. Change the water after every rinse.
5. Avoid creating water bubbles by gently agitating the slide holder.
6. Air dry slides at room temperature.

7. Once dried, slides can be used immediately or can be stored in a box at room temperature for future use.

### 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). 2011.

### Troubleshooting

Contact Diagnostic BioSystems Technical Support at (925) 484-3350, extension 2, 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.

