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TECHNICALLY *Speaking*

Place your order with CEDARLANE® or your local distributor.
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TissueBond™ Reagent

CLSG80111

Lot:

Intended Use: To prepare glass slides for superior tissue adhesion of paraffin and frozen tissue sections.

Introduction: Proper tissue adhesion to the glass slides is very critical step in the immunostaining process. Improper adhesion of tissue sections can lead to poor quality staining or even loss of tissue sections during the process of immunostaining. White glue, albumen, chrome-gelatin and poly-L-lysine increases the background during the staining process. Since several antibodies require harsh treatment with proteolytic enzymes, microwave treatment and treatment with saponin etc., there is a need of tissue adhesive which can irreversibly bind tissue sections to the glass with out creating any background. Glass treated with TissueBond can be used for both paraffin as well as frozen tissue sections.

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

Components: 7 ml of clear liquid.

Storage of Kit: Store at 4°C.

Working Solution:*

- i) Working solution should be prepared just prior to use.
- ii) Add the entire content of TissueBond in a Acetone compatible container.
- iii) Add dry acetone to make a volume of 350 ml 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.

Procedure:

- i) Place the slides in metallic slide holder. Clean the slides by immersing them in acetone for 1 minute.
- ii) Immerse slides in working TissueBond solution for 30 sec.
- iii) Remove and drain the slides. Rinse the slides thoroughly with de ionized water three times. Change the water after every rinse. Avoid creating water bubbles by gentle agitation of slide holder before drying. Air dry slides at room temperature. Once dried, slides can be used immediately or can be stored in box for at room temperature for future use.

Precautions: This material is corrosive and can cause skin irritation upon contact. Avoid contact with clothes and exposed skin. If accidentally contacted, flush with tap water immediately. Follow instructions provided by your local authorities for disposal.

Laboratory Reagent For Research Use Only

JV 05/16/08

For more information or to place an order please contact...

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