

## 2-Tissue Human PIN TMA



### Intended Use

For In Vitro Diagnostic Use.

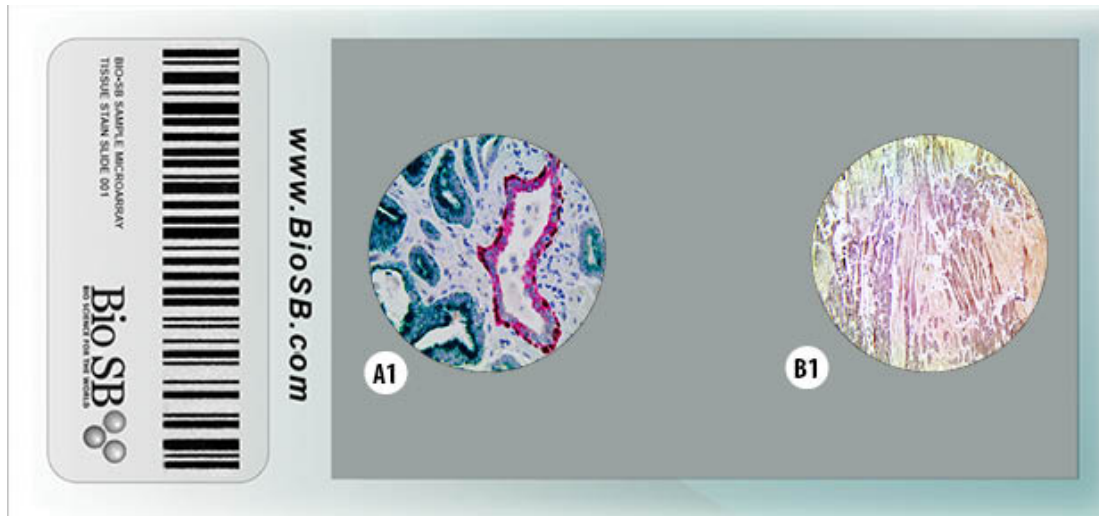
### Summary and Explanation

The 2-tissue Human PIN TMA is an unstained ready-to-use microscope slide consisting of 2 sections of normal human formalin-fixed paraffin-embedded Myometrium (negative control) and Prostate Cancer (positive for CK 34BE12, AMACR and p63), which are assembled in array fashion to allow Multiplex Molecular Pathology analysis and validation of reagents, or to be used as controls for Immunohistochemistry and/or *in situ* hybridization (CISH and FISH) applications.

### Presentation

Five 2-tissue Human PIN TMA's with 2 tissue sections each, mounted on Hydrophilic Plus Slides are provided in a plastic mailer.

The map below outlines the various tissues used. Each slide comes with a negative and a positive tissue:



IHC using the PIN MultiDetector Kit

A1	B1
<b>Prostate Cancer</b> Positive for CK34BE12, AMACR and p63	<b>Myometrium</b> Negative

Catalog No.	Number of Slides
BSB-0333-CS	5

**Storage** Store at 20-25°C

### Stability

**This product is stable up to the expiration date on the product label.** Do not use after expiration date listed on package label.

### Precautions

1. For professional users only. Results should be interpreted by a qualified medical professional.
2. Ensure proper handling procedures are used with reagent.
3. Always wear personal protective equipment such as laboratory coat, goggles, and gloves when handling reagents.
4. Dispose of unused material according to local and federal regulations.
5. Follow safety precautions of the heating device used for epitope retrieval (TintoRetriever Pressure Cooker or similar).
6. For additional safety information refer to Safety Data Sheet for this product.

7. For complete recommendations for handling biological specimens please refer to the CDC document, "Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories" (see References in this document).

### Staining Procedure

1. Deparaffinize, dehydrate and rehydrate TMA.
2. Subject TMA to heat induced epitope retrieval (HIER) using a suitable retrieval solution such as ImmunoDNA Retriever with Citrate (BSB 0020-BSB 0023), or ImmunoDNA Retriever EDTA (BSB 0030-BSB 0033).
3. Any of three heating methods may be used:

**a. TintoRetriever Pressure Cooker or Equivalent**

Place slides in a staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA, and place on trivet in the pressure cooker. Add 1-2 inches of distilled water to the pressure cooker and turn heat to high. Incubate for 15 minutes. Open and immediately transfer slides to room temperature.

**b. TintoRetriever PT Module or Water Bath Method**

Place slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA at 95°-99° C. Incubate for 30-60 minutes.

**c. Conventional Steamer Method**

Place slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA in a steamer, cover and steam for 30-60 minutes.

4. After heat treatment, transfer slides in ImmunoDNA Retriever with Citrate or EDTA to room temperature and let stand for 15-20 minutes.
5. For manual staining, perform antibody incubation at ambient temperature. For automated staining methods, perform antibody incubation according to instrument manufacturer's instructions.
6. Wash slides with ImmunoDNA washer or DI water.
7. Continue IHC staining protocol. Wash slides between each step with ImmunoDNA washer solution.

### Abbreviated Immunohistochemical Protocol

Step	PIN MultiDetector AP/HRP
Peroxidase Blocker	5 min.
AP Blocker	5 min.
Primary Antibody	20 min.
Secondary Antibody	15 min.
DAB Substrate-Chromogen	10 min.
Primary Antibody Cocktail	20 min.
Secondary Antibody Cocktail	15 min.
Substrate-Chromogen	10 min.
Counterstain	30 sec.
Coverslip	Varies

### Product Limitations

Due to inherent variability present in immunohistochemical procedures (including fixation time of tissues/cell lines, dilution factor of antibody, retrieval method utilized and incubation time), optimal performance should be established using positive and negative controls. Results should be interpreted by a qualified medical professional.







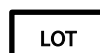
### References

1. U.S. Department of Health and Human Services: Centers for Disease Control and Prevention. Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories. Supplement / Vol. 61, January 6, 201

### Mounting Protocols

For detailed instructions using biodegradable permanent mounting media such as XyGreen PermaMunter (BSB 0169-0174) or organic solvent-based resin such as PermaMunter (BSB 0094-0097), refer to PI0174 or PI0097.

### Symbol Key / Légende des symboles/Erläuterung der Symbole

 In Vitro Diagnostic Medical Device Dispositif médical de diagnostic in vitro In-Vitro-Diagnostikum	 Storage Temperature Limites de température Zulässiger Temperaturbereich	 Manufacturer Fabricant Hersteller	 Catalog Number Référence du catalogue Bestellnummer
	 Read Instructions for Use Consulter les instructions d'utilisation Gebrauchsanweisung beachten	 Expiration Date Utiliser jusque Verwendbar bis	 Lot Number Code du lot Chargenbezeichnung

