ER/PR/HER2 Cell Line Micro Array

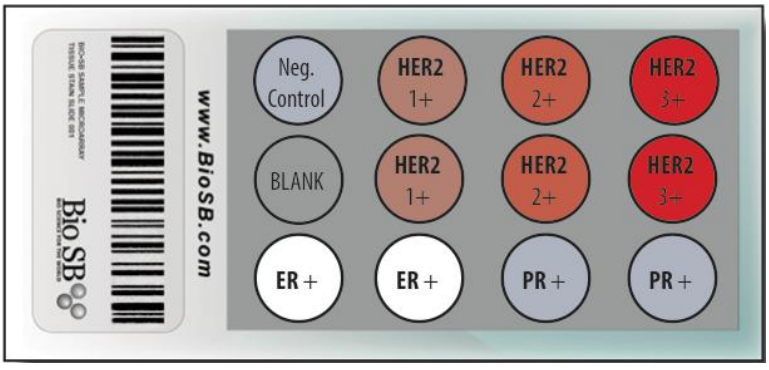
Intended Use *For Laboratory Use*

Summary And Explanation The **ER/PR/HER2 Cell Line Micro Array** consist of 11- 2 mm cores of formalin-fixed paraffin-embedded cell lines which were assembled in array fashion to allow multiplex molecular pathology analysis and validation of reagents, or to be used as tissue controls for Immunohistochemistry and/or *in situ* hybridization (CISH and FISH) applications.

The **ER/PR/HER2 Cell Line Micro Array** 11-core contains the following formalin-fixed paraffin-embedded cell lines:

11 Core ER/PR/HER2 Cell Line Array	
Neg. Ct.	Negative Control
Blank	Orientation Core
ER+	IHC Validated ER
PR+	IHC Validated PR
HER2+	IHC Validated HER2 Positive Cell Lines Core Signal varies from 1+ to 3+.

The map below outline the various cell lines used. Each slide comes with a “blank” core for easy orientation:



Presentation Five **ER/PR/HER2 positive** with 11- 2 mm cell line cores each, mounted on **Hydrophilic Plus Slides** (BSB 7028) are provided in a plastic mailer.

Availability

Catalog No.	Number of slides
BSB 0292	5

Storage Store at 20-25ºC **Stability** 1 year

The **ER/PR/HER2 Cell Line Micro Array** are stable at room temperature for up to **1** year from date of microtomy (see expiration date on product label). These cell line micro-arrays are stable up to the expiration date on the label. Do not use this product after the expiration date. Adhere to all local laws when disposing of this product.

Recommended Protocol

1. Deparaffinize, dehydrate and hydrate tissues before heat treatment.
2. Subject the ER/PR/HER2 Cell Line Micro Array to heat epitope retrieval using a suitable retrieval solution such as **ImmunoDNA Retriever with Citrate** (BSB 0020- BSB 0023) or **EDTA** (BSB 0030-BSB 0033).

   Any of these three heating methods may be used:

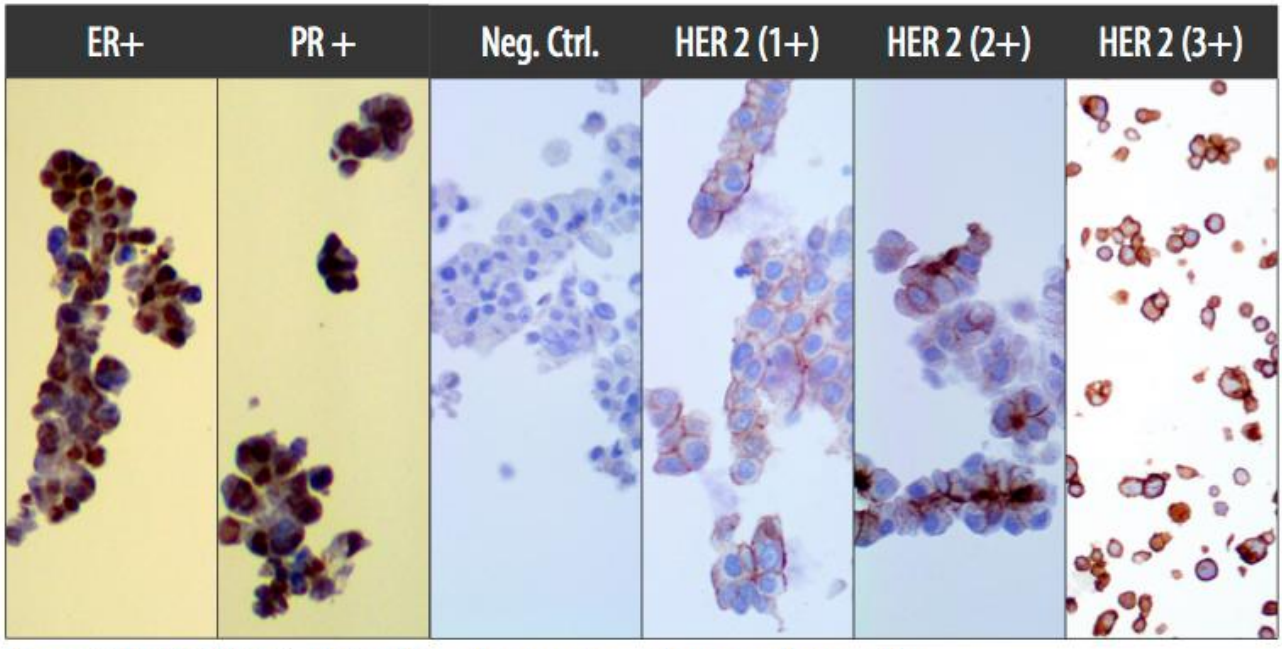
   a. **Electric Pressure Cooker (TintoRetriever Digital Pressure Cooker with Thermometer, Cat # BSB 7008)**
      - Place **ER/PR/HER2 Cell Line Micro Array** in a staining dish or coplin jar containing the **ImmunoDNA Retriever Citrate or EDTA**, and place in the pressure cooker.
      - Add 1-2 inches of distilled water to the pressure cooker and turn heat to high and incubate for 15 m inutes.
      - Release pressure from internal chamber, open and immediately transfer slides in **ImmunoDNA Retriever Citrate or EDTA** to room temperature.

   b. **Water Bath Method:**
      - Place tissues/slides in a pre-warmed staining dish or coplin jar containing the **ImmunoDNA Retriever** Citrate or EDTA in a water bath set at 95-99°C.
      - Incubate for 30-60 minutes

   c. **Conventional Steamer Method:**
      - Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever Citrate or EDTA in a steamer. Cover and steam for 30-60 minutes.

3. After heat treatment, transfer slides in ImmunoDNA Retriever Citrate or EDTA to room temperature and let stand for 15-20 minutes.
4. Wash slides with IHC wash buffer or DI water.
5. Continue IHC/ISH staining according to procedure routinely employed.

Precautions When handling cell line micro-arrays wear gloves to avoid contamination with DNAses or RNAses.



Above: ER/PR/HER-2 Cell Line Micro Array with various signal strengths.

Above: ER, PR positivity and HER2 1+, 2+ and 3+

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