Bio SB
BIO SCIENCE FOR THE WORLD

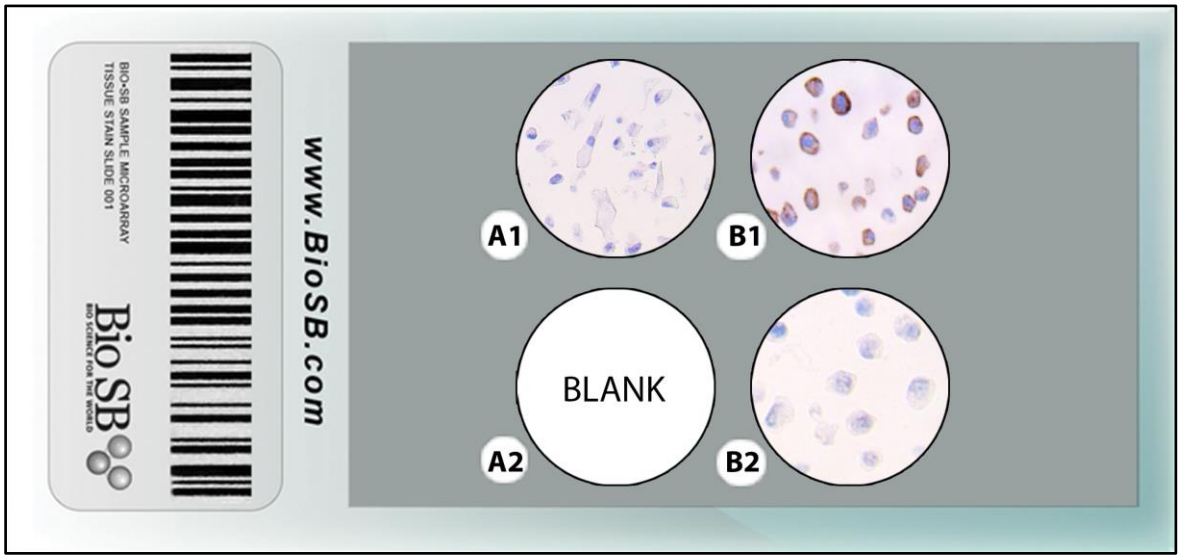
For Laboratory Use

3-Core Lung Cancer Cell Line Microarray

Intended Use *For Laboratory Use*

Summary And Explanation The **3-Core Lung Cancer Cell Line Microarray** (CLMA) consist of 3- 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 map below outlines the various cell lines used. Each slide comes with a "blank" core for easy orientation:



IHC of ALK-1 using the PolyDetector Plus HRP/DAB In TintoStainer

A1 **ALK-1 Negative** Normal Human Lung Fibroblast)	**B1** **ALK-1 3+** Non-small cell lung cancer
A2 BLANK	**B2** **ALK-1 +** Adenocarcinoma, Lung cancer

Presentation Five 3- 2 mm cores, mounted on **Hydrophilic Plus Slides** (BSB 7028) are provided in a plastic mailer.

Storage
Store at 2 - 8°C. **Stability:** **1 year**

Do not use this product after the expiration date listed on package label. Temperature fluctuations should be avoided. Store appropriately when not in use, and avoid prolonged exposure to room temperature conditions.

Availability

Catalog No.	Number of slides
BSB 0306	5

Recommended Protocol

1. When handling CLMA's wear gloves to avoid contamination with DNAses or RNAses.
2. Deparaffinize, dehydrate and hydrate tissues before heat treatment.
3. Subject the HER-2 Cell Line Microarray 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) or similar.**
      - Place **3-Core Lung Cancer Cell Line Microarray** 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 minutes.
      - Release pressure from internal chamber, open and immediately transfer slides in **ImmunoDNA Retriever Citrate or EDTA** to room temperature.

   b. **Water Bath Method/Tinto Retriever PT Module, Cat # BSB 7030 and BSB 7033**
      - 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.

Precautions

1. For professional users only. Ensure results are interpreted by a medical professional.
2. Ensure proper handling procedures are used with reagent. Always wear proper PPE such as laboratory coat and gloves when handling reagents.
3. Adhere to all local and federal regulations when disposing this product.
4. Do not ingest reagent. If reagent ingested, contact a poison control center immediately.
5. For recommendations for handling biological specimens refer to the CDC document, "Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories" (1).

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, 2012.