

Infectious Disease Cell Line Microarray 2 & 9-Core (2 mm)



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Intended Use

For Research Use Only.

Summary and Explanation

The Infectious Disease Cell Line Microarray consists of either 2 or 9 – 2mm cores of formalin-fixed paraffin-embedded infected cell lines, which were assembled in array fashion to allow multiplex molecular pathology analysis and validation of infectious disease reagents, or to be used as controls for Immunohistochemistry and/or *in situ* hybridization (CISH and FISH) applications.

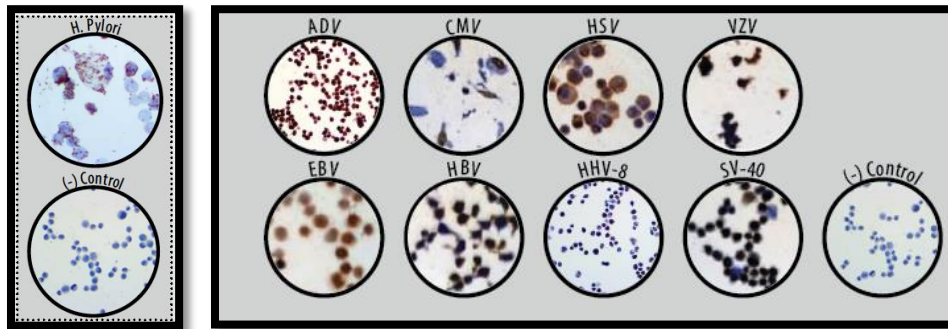
The 9-core Infectious Disease Cell Line Microarray consists of all positive (+) cell lines listed below, as well as one negative (-) core. The 2-core Infectious Disease Cell Line Microarrays include one positive (+) and one negative (-) core.

The following are the Infectious Disease Cell Lines offered: Adenovirus (ADV), Cytomegalovirus (CMV), Herpes Simplex Virus (HSV), Varicella Zoster Virus (VZV), Epstein Barr Virus (EBV), Hepatitis B Virus (HBV), HHV-8, SV-40, and Helicobacter pylori (HPy).

Presentation

Five Infectious Disease CLMA's with 2 or 9 – 2mm cores each, mounted on Hydrophilic Plus Slides are provided in a plastic mailer.

The maps below outline formats of the 2 and 9-core infectious disease arrays. Each slide comes with a “blank” core for easy orientation.



Above Left: 2-core Infectious Disease Array

Above Right: 9-core Infectious Disease Array

Catalog No.	Name	Numbe of Slides
BSB 0232	Multi ID Cell Line Microarray (9-core)	5
BSB 0233	Adenovirus Cell Line Microarray (2-core)	5
BSB 0234	CMV Cell Line Microarray (2-core)	5
BSB 0235	HSV Cell Line Microarray (2-core)	5
BSB 0236	VZV Cell Line Microarray (2-core)	5
BSB 0237	EBV Cell Line Microarray (2-core)	5
BSB 0238	HBV Cell Line Microarray (2-core)	5
BSB 0239	HHV-8 Cell Line Microarray (2-core)	5
BSB 0240	SV-40 Cell Line Microarray (2-core)	5
BSB 0241	H. pylori Cell Line Microarray (2-core)	5

Storage Store at 2-8°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 CLMA.
2. Subject CLMA 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	ImmunoDetector AP/HRP	PolyDetector AP/HRP	PolyDetector Plus HRP
Peroxidase/AP Blocker	5 min.	5 min.	5 min.
Primary Antibody	30-60 min.	30-60 min.	30-60 min.
1st Step Detection	10 min.	30-45 min.	15 min.
2nd Step Detection	10 min.	Not Applicable	15 min.
Substrate-Chromogen	5-10 min.	5-10 min.	5-10 min.
Counterstain / Coverslip	Varies	Varies	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 through the use of 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, 2012.

Mounting Protocols

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

Symbol Key / Légende des symboles/Erläuterung der Symbole

	Storage Temperature Limites de température Zulässiger Temperaturbereich		Manufacturer Fabricant Hersteller	REF	Catalog Number Référence du catalogue Bestellnummer
	Read Instructions for Use Consulter les instructions d'utilisation Gebrauchsanweisung beachten		Expiration Date Utiliser jusque Verwendbar bis	LOT	Lot Number Code du lot Chargenbezeichnung



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