

# Cell Control Arrays

## Cell Control Array ALK (IHC)



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*For the control of immunohistochemical stainings with ALK antibodies on lymphoma and non small cell lung cancer (NSCLC).*

ZytoMed Systems' new Cell Control Array ALK (IHC) is designed for the qualitative control of immunohistochemical staining with anti ALK antibodies. The array contains an ALK protein expressing cell line and an ALK negative cell line. Two cores of heart muscle serve as an easy orientation.

A control for ALK has to be suitable even for high antibody dilutions which are often used in ALK IHC on lymphoma in contrast to low dilutions of ALK antibodies for NSCLC. The expression of ALK protein in the positive cell line core is appropriate for both

low and high antibody dilutions and serves as an optimal control for ALK immunohistochemistry on lung and lymphoma.

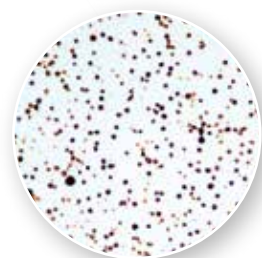
Our other Cell Control Arrays are designed for the qualitative control of immunohistochemical staining. They are intended to ensure a "Yes" or "No" answer for immunohistochemical staining, *in situ*-hybridisation or special stains (in the case of the Cell Control Array Bacteria plus Fungi). The small size of the control block sections allows for simultaneous mounting of patient material sections and control block sections on the same slide.

### Your advantages at a glance

- ▶ Ideally suited as an **on slide control**.
- ▶ **No loss of cell cores**. Homogenous paraffine block ensures integrity of the cell cores after cutting.
- ▶ Dyed paraffine and two cores of heart muscle ensure **easy handling and orientation**.
- ▶ **Consistent high quality** and reproducibility.

### Which cell control arrays are offered?

- ▶ The Cell Control Array ALK (IHC) contains one core of ALK positive cells and one core of ALK negative cells. It is suitable as a positive control for immunohistochemical stains on lymphoma and NSCLC.
- ▶ The Cell Control Array Receptor contains 4 cores of breast carcinoma cell lines. They show different expression levels of estrogen receptor, progesterone receptor and HER2. Thus, a differentiation between high and low staining intensity is possible, indicating the sensitivity of your stains. The system is suitable for immunohistochemistry and *in situ*-hybridisation.
- ▶ The Cell Control Array Virus is designed for the qualitative control of immunohistochemical staining and *in situ*-hybridisation of virus infected tissue. The paraffine block contains cell line cores of CMV, HSV type 1 and type 2, EBV and Polyomavirus/SV40 infected cell lines.
- ▶ The Cell Control Array Bacteria plus Fungi contains 4 cores of different germs and fungi. These are Mycobacterium bovis, gram-positive and gram-negative bacteria and Aspergillus fumigatus. Antibodies against Mycobacterium tuberculosis react positive on the core of Mycobacterium bovis.



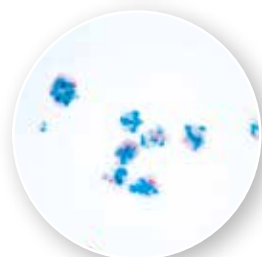
ALK immunostain on MB-CC ALK



PR immunostain on MB-CC REZ



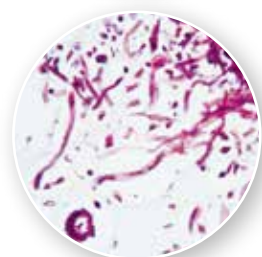
ER immunostain on MB-CC REZ



ERBB2 (HER2)/CEN17 CISH on MB-CC REZ



CMV immunostain on MB-CC VIR



PAS staining on MB-CC BAC

# Cell Control Arrays

## Cell Control Array ALK (IHC)



### ► Product information

#### Cell Control Arrays

Description	Volume	Amount	Cat. No.
<b>Cell Control Array ALK (IHC)</b>	1 Block	1 core of ALK positive cell line + 1 core of ALK negative cell line	MB-CC ALK
<b>Cell Control Array Receptor</b>	1 Block	4 cores with different expression levels of ER, PR and HER2	MB-CC REZ
<b>Cell Control Array Bacteria plus Fungi</b>	1 Block	3 cores of different bacteria + 1 core of fungi	MB-CC BAC
<b>Cell Control Array Virus</b>	1 Block	5 cores of virus-infected cell lines	MB-CC VIR

All Cell Control Arrays are classified as „research use only“

#### Other control material

Description	Volume	Amount	Cat. No.
<b>CD274 (PD-L1) Expression IHC Reference Standard</b>	1 Pack (5 slides)	4 cores of different expression levels of PD-L1	HD787

#### Antibodies

Description	Status	Dilution	Amount	Cat. No.
<b>ALK/p80 (Anaplastic Lymphoma Kinase)</b> Clone: 5A4   Host: Mouse	CE/IVD	1:100 - 1:200	0.5 ml	MSK096-05
<b>Estrogen Receptor</b> Clone: 1D5   Host: Mouse	CE/IVD	Ready-to-use	16 ml	BMS008
			6 ml	MSG001
		1:100 - 1:200	1 ml	MSK001
			0.5 ml	MSK001-05
<b>Estrogen Receptor</b> Clone: SP1   Host: Rabbit	CE/IVD	Ready-to-use	16 ml	BRB053
	RUO		6 ml	RBG018
	RUO	1:200	1 ml	RBK018
			0.5 ml	RBK018-05
<b>HER2 (c-erbB-2)</b> Clone: SP3   Host: Rabbit	RUO	Ready-to-use	6 ml	RBG026
			1 ml	RBK026
		1:100 - 1:200	0.5 ml	RBK026-05
<b>HER2 (c-erbB-2) Intracellular domain</b> Clone: CB11   Host: Mouse	CE/IVD	Ready-to-use	16 ml	BMS014
			6 ml	MSG044
		1:50 - 1:200	1 ml	MSK044
			0.5 ml	MSK044-05
<b>Progesterone Receptor</b> Clone: SP42   Host: Rabbit	CE/IVD	Ready-to-use	16 ml	BRB038
			6 ml	RBG020
		1:200 - 1:400	1 ml	RBK020
			0.5 ml	RBK020-05

Abbreviations: CE/IVD: for in vitro diagnostic use; RUO: research use only