

# Quality in control



Cell microarray controls  
for ER, PR and HER2

One of the requirements of quality standardization is the appropriate use of controls. These need to be robust enough for IHC and ISH, be reproducible and cost-effective. Additionally, the control material should be consistent from batch to batch and throughout the block it is cut from. HistoCyte Laboratories cell lines are standardized cell line microarray controls and are developed and manufactured to provide consistent results throughout the block. This is what differentiates them from tissue controls.

## Control Material from HistoCyte Laboratories Ltd.

- ✓ Standardized, reliable and cost-effective
- ✓ Validated with standardized assays
- ✓ Easily determine assay performance
- ✓ **Dynamic Range<sup>DR</sup>**: variable protein expression to show the performance within the dynamic range of the immunohistochemical assay

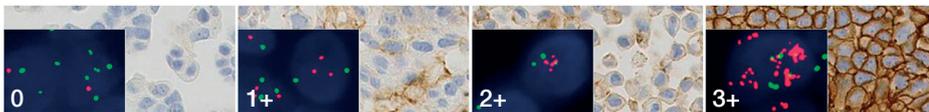


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## HER2 Analyte Control Dynamic Range

The specialized HER2 cell line microarray control has a full dynamic range of expression. It contains four cores: 0, 1+ (non-amplified), 2+ (equivocal), 3+ (*HER2* gene amplification). HER2 Analyte Control<sup>DR</sup> is a reliable, sensitive and accurate control for HER2 assessment.

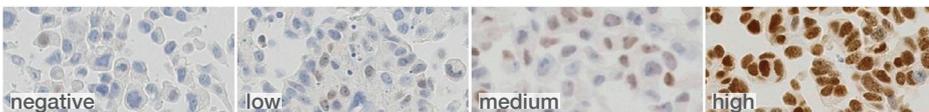


## HER2 Analyte Control<sup>DR</sup>

- 2 Slides ..... HCL026
- 5 Slides ..... HCL027
- Block ..... HCL028

## Estrogen Receptor Analyte Control Dynamic Range

The ER Dynamic Range Analyte Control contains four cores, offering a full range of expression for ER: negative, low, medium, high.

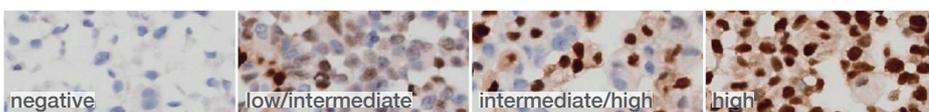


## ER Analyte Control<sup>DR</sup>

- 2 Slides ..... HCL029
- 5 Slides ..... HCL030
- Block ..... HCL031

## Progesterone Receptor Analyte Control Dynamic Range

The Progesterone Receptor Analyte Control<sup>IDR</sup> contains four cores, offering a dynamic range of expression for PR: negative, low/intermediate, intermediate/high, and high. The cell line low/intermediate and intermediate/high provide a suitable array of cells with varying expression that easily demonstrate whether the assay is running at a suitable sensitivity in your laboratory.



## PR Analyte Control<sup>DR</sup>

- 2 Slides ..... HCL032
- 5 Slides ..... HCL033
- Block ..... HCL034

Also available: PD-L1, HPV/p16, ROS1, PR, ALK (see overleaf)

Cell microarray controls are available as pre-cut slides (2 or 5 slide options) and cell microarray block (ca. 300 sections).

Product	Information	Status	Format	Art-nr.
HPV/p16 <sup>DR</sup>	4 cores <b>Dynamic Range</b> of HPV gene copies, E6/E7 mRNA levels and protein expression of p16	RUO	2 Slides	HCL001
		RUO	5 Slides	HCL002
		RUO	1 Block	HCL003
HPV/p16	3 cores positive and negative for the HPV gene, E6/E7 mRNA and expression of p16	RUO	2 Slides	HCL004
		RUO	5 Slides	HCL005
		RUO	1 Block	HCL006
ALK (lung)	2 cores positive and negative for the EML4-ALK translocation and expression of the fusion product	RUO	2 Slides	HCL007
		RUO	5 Slides	HCL008
		RUO	1 Block	HCL009
ALK (lymphoma)	2 cores positive and negative for the NPM-ALK translocation and expression of the fusion product	RUO	2 Slides	HCL010
		RUO	5 Slides	HCL011
		RUO	1 Block	HCL012
Breast Analyte Control	2 cores positive and negative for <i>HER2</i> gene amplification and expression of ER, PR and <i>HER2</i>	RUO	2 Slides	HCL013
		RUO	5 Slides	HCL014
		RUO	1 Block	HCL015
Breast Analyte Control <sup>DR</sup>	5 cores <b>Dynamic Range:</b> positive and negative for <i>HER2</i> amplification, dynamic range of protein expression of ER, PR and <i>HER2</i>	RUO	2 Slides	HCL016
		RUO	5 Slides	HCL017
		RUO	1 Block	HCL018
PD-L1 Analyte Control <sup>DR</sup>	4 cores <b>Dynamic Range</b> of protein expression of PD-L1	RUO	2 Slides	HCL019
		RUO	5 Slides	HCL020
		RUO	1 Block	HCL021
ROS1 Analyte Control	2 cores positive and negative for the SLC34A2-ROS1 translocation and expression of the fusion product	RUO	2 Slides	HCL022
		RUO	5 Slides	HCL023
		RUO	1 Block	HCL024
HER2 Analyte Control <sup>DR</sup>	4 cores <b>Dynamic Range:</b> 0, 1+ (both non-amplified), 2+ (equivocal) and 3+ (amplified)	RUO	2 Slides	HCL026
		RUO	5 Slides	HCL027
		RUO	1 Block	HCL028
Estrogen Receptor Analyte Control <sup>DR</sup>	4 cores <b>Dynamic Range:</b> negative, low, medium and high expression of ER	RUO	2 Slides	HCL029
		RUO	5 Slides	HCL030
		RUO	1 Block	HCL031
Progesterone Receptor Analyte Control <sup>DR</sup>	4 cores <b>Dynamic Range:</b> negative, low/intermediate, intermediate/high and high expression of PR	RUO	2 Slides	HCL032
		RUO	5 Slides	HCL033
		RUO	1 Block	HCL034



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to diagnosis.

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First-hand  
information