



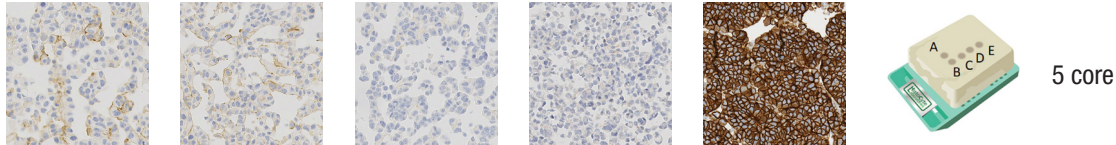
Quality in Control

CELL LINE CONTROLS
for immunohistochemistry (IHC)
and *in situ* hybridization (ISH)

Dynamic Range Products

Breast Analyte Control^{DR}

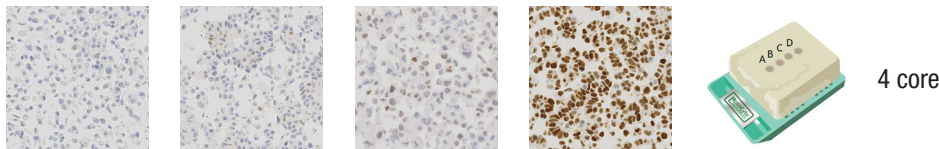
The multi-purpose Breast Dynamic Range Analyte Control contains five cell lines that demonstrate a dynamic range of expression for ER, PR and HER2. Ideal for use as a same slide control in IHC for laboratories that need a general use breast control.



Format	Code
Slide (2)	HCL016
Slide (5)	HCL017
Block	HCL018

Estrogen Receptor Analyte Control^{DR}

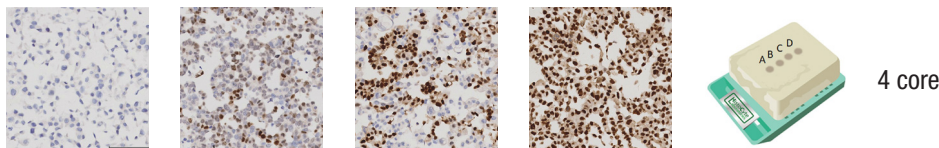
ER Dynamic Range Analyte Control contains four cores, offering a full range of expression for ER: negative, low, medium, and high.



Format	Code
Slide (2)	HCL029
Slide (5)	HCL030
Block	HCL031

Progesterone Receptor Analyte Control^{DR}

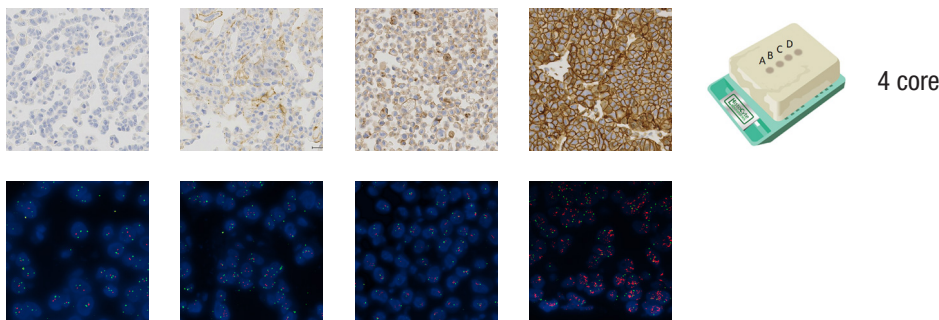
Progesterone Receptor Analyte Control^{DR} contains four cores, offering a range of expression for PR: negative, low/intermediate, intermediate/high, and high.



Format	Code
Slide (2)	HCL032
Slide (5)	HCL033
Block	HCL034

HER2 Analyte Control^{DR}

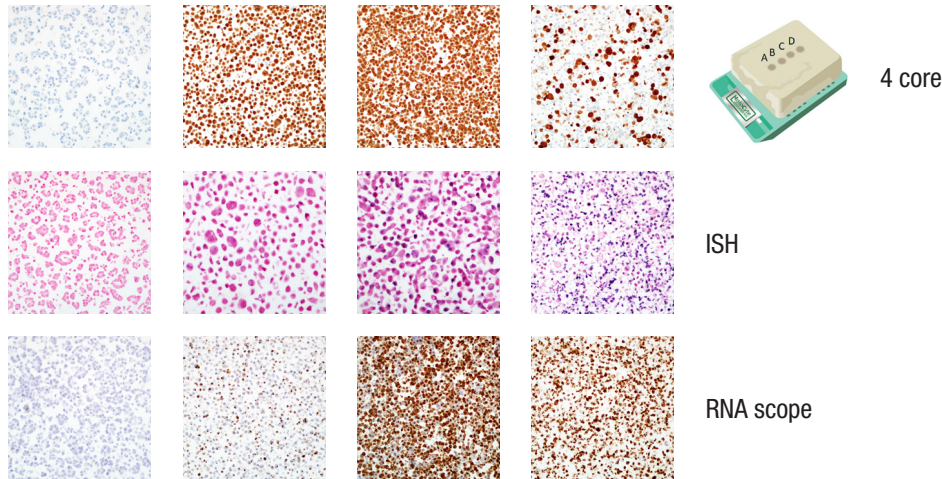
HER2 Dynamic Range Analyte Control has a full dynamic range of expression. Enhanced from the multipurpose breast analyte control to include a 2+ cell line, this is specifically aimed for being a reliable,



Format	Code
Slide (2)	HCL026
Slide (5)	HCL027
Block	HCL028

HPV/p16 Analyte Control^{DR}

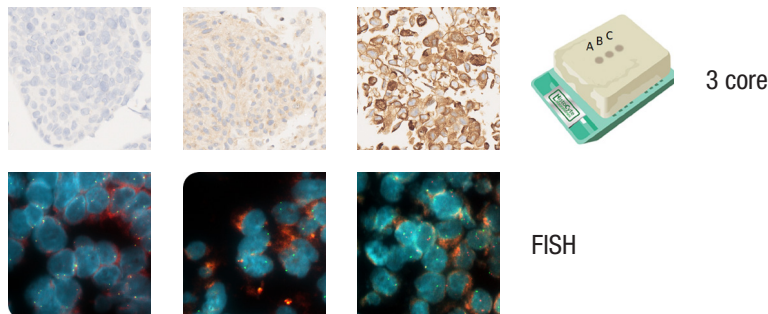
The HPV/p16 Dynamic Range Analyte Control contains four cell lines that demonstrate a full dynamic range of expression for high risk human papillomavirus types 16 and 18: high, medium, low and negative. The same cell lines demonstrate high homogenous, high heterogenous and negative expression of p16. Ideal for use as a same slide control for HPV in situ hybridization and p16 IHC where maximum sensitivity is required.



Format	Code
Slide (2)	HCL001
Slide (5)	HCL002
Block	HCL003

ROS1 Analyte Control^{DR}

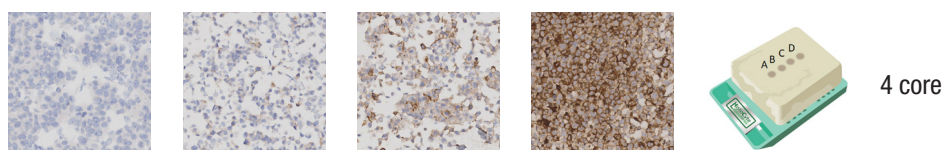
ROS1 Analyte Control^{DR} is the dynamic range version of our popular ROS control, containing an additional cell line with low expression of ROS



Format	Code
Slide (2)	HCL035
Slide (5)	HCL036
Block	HCL037

PD-L1 Analyte Control^{DR}

PD-L1 Dynamic Range Analyte Control consists of four different cell lines with PD-L1 expression levels of high, medium, low and negative. Ideal for use as a same slide control for PD-L1 to demonstrate the sensitivity of the assay.

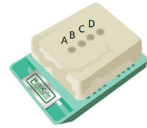
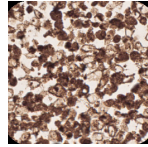
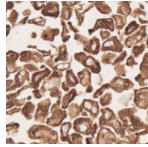
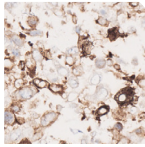
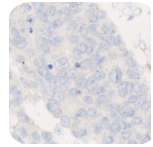


Format	Code
Slide (2)	HCL019
Slide (5)	HCL020
Block	HCL021

ALK Analyte Control^{DR}

ALK Analyte Control^{DR} (Four cores: negative, positive for WT ALK, positive for EML4-ALK and positive for NPM-ALK).

ALK Analyte Control^{DR} is suitable for either ALK assay (lung or lymphoma), moreover it helps determine if an assay used is suitable for use in either setting. The WT ALK being crucial in assessment.



4 core

Format

Slide (2)

Slide (5)

Block

Code

HCL053

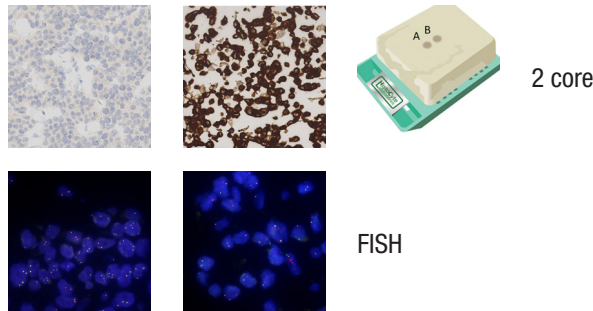
HCL054

HCL055

Standard Products

ALK-Lung (EML4-ALK) Analyte Control

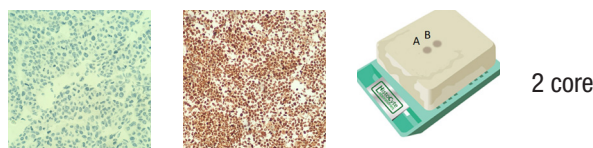
ALK-Lung Analyte Control contains two cell lines that demonstrate positive and negative expression of EML4-ALK associated lung cancer. Ideal for use as a same slide control in IHC to demonstrate the reagents have been correctly applied to the slide.



Format	Code
Slide (2)	HCL007
Slide (5)	HCL008
Block	HCL009

ALK-Lymphoma (NPM-ALK) Analyte Control

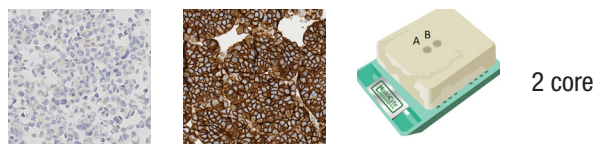
ALK-Lymphoma Analyte Control contains two cell lines that demonstrate positive and negative expression of NPM-ALK associated lymphoma. Ideal for use as a same slide control in IHC to demonstrate the reagents have been correctly applied to the slide.



Format	Code
Slide (2)	HCL010
Slide (5)	HCL011
Block	HCL012

Breast Analyte Control (ER, PR and HER2)

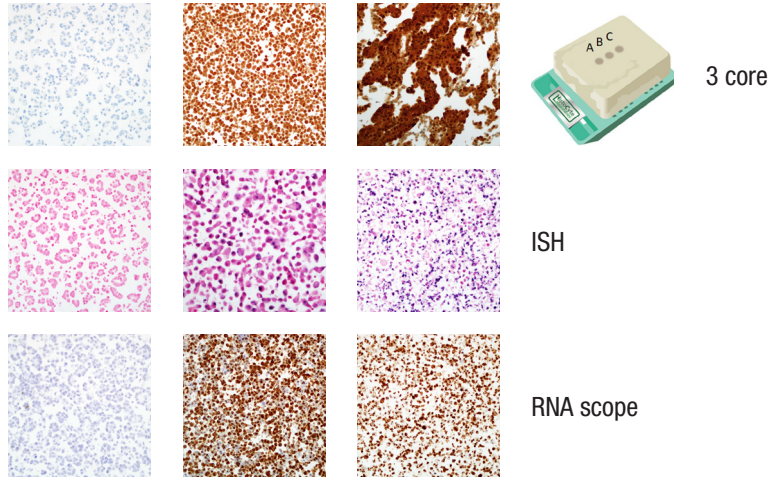
The multi-purpose Breast Analyte Control contains two cell lines that demonstrate positive and negative expression of ER, PR and HER2. Ideal for use as a same slide control in IHC to demonstrate the reagents have been correctly applied to the slide.



Format	Code
Slide (2)	HCL013
Slide (5)	HCL014
Block	HCL015

HPV/p16 Analyte Control

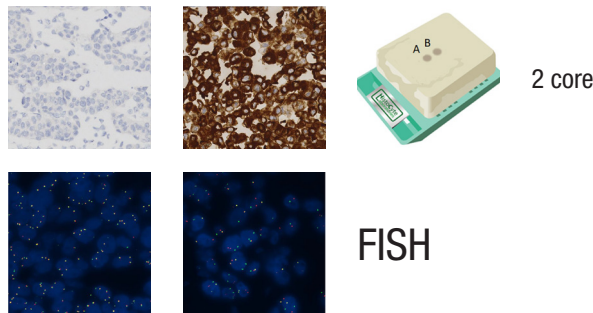
HPV/p16 Analyte Control contains three cell lines that demonstrate high, medium and negative expression of high risk human papillomavirus types 16 and 18. The same cell lines also demonstrate high homogenous, high heterogenous and negative expression of p16. Ideal for use as a same slide control for HPV in situ hybridization and p16 IHC to demonstrate assay sensitivity.



Format	Code
Slide (2)	HCL004
Slide (5)	HCL005
Block	HCL006

ROS1 Analyte Control

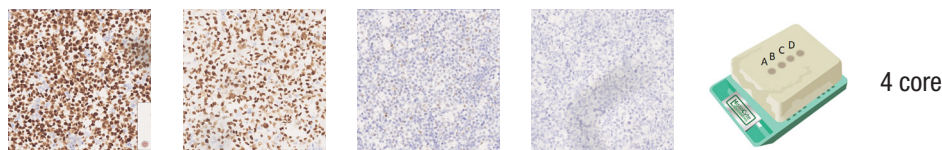
ROS1 Analyte Control contains two cell cores: one positive for ROS1 and the other negative.



Format	Code
Slide (2)	HCL022
Slide (5)	HCL023
Block	HCL024

MMR Analyte control

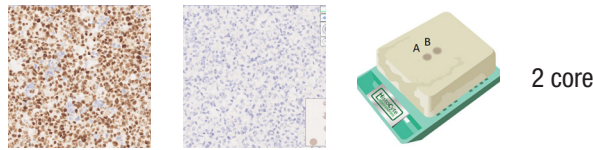
Our MMR Analyte Control consists of four different cell lines with loss of and intact expression for MLH1, PMS2, MSH2 and MSH6.



Format	Code
Slide (2)	HCL041
Slide (5)	HCL042
Block	HCL043

MLH1/PMS2 Analyte Control

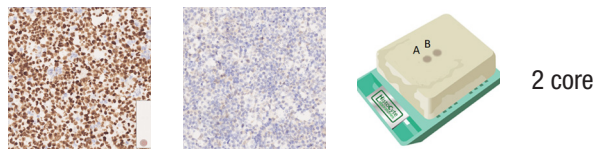
Our MLH1/PMS2 Analyte Control contains 2 cell lines, one with intact expression for MLH1 and PMS2 and one with loss of expression for MLH1 and PMS2



Format	Code
Slide (2)	HCL044
Slide (5)	HCL045
Block	HCL046

MSH2 Analyte Control

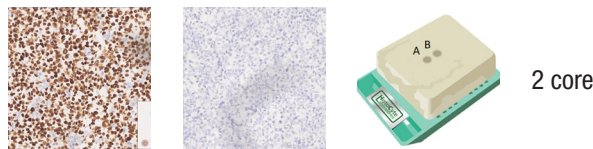
Our MSH2 Analyte Control contains 2 cell lines, one with intact expression for MSH2 and one with loss of expression for MSH2



Format	Code
Slide (2)	HCL047
Slide (5)	HCL048
Block	HCL049

MSH6 Analyte Control

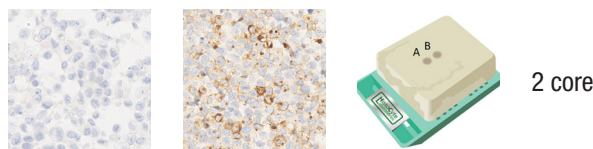
Our MSH6 Analyte Control contains 2 cell lines, one with intact expression for MSH6 and one with loss of expression for MSH6



Format	Code
Slide (2)	HCL050
Slide (5)	HCL051
Block	HCL052

NTRK Analyte Control

Our NTRK Analyte Control contains two cell lines that demonstrate positive and negative expression of NTRK. Ideal for use as a same slide control in immunohistochemistry (IHC) to demonstrate the reagents have been correctly applied to the slide.



Format	Code
Slide (2)	HCL038
Slide (5)	HCL039
Block	HCL040

Also Available From HistoCyte Laboratories Ltd

Product Name	Format	Code
HPV/p16 Analyte Control ^{DR} (Four cores: negative and three positive with dynamic range of HPV gene copies)	Slide(2)	HCL001
	Slide(5)	HCL002
	Block	HCL003
HPV/p16 Analyte Control (Three cores: negative and two positive for p16 and HPV gene copies)	Slide(2)	HCL004
	Slide(5)	HCL005
	Block	HCL006
ALK-Lung Analyte Control (Two cores: negative and a positive for the EML4-ALK translocation)	Slide(2)	HCL007
	Slide(5)	HCL008
	Block	HCL009
ALK-Lymphoma Analyte Control (Two cores: negative and a positive for the NPM-ALK translocation)	Slide(2)	HCL010
	Slide(5)	HCL011
	Block	HCL012
ALK Analyte Control ^{DR} (Four cores: negative, positive for WT ALK, positive for EML4-ALK and positive for NPM-ALK)	Slide(2)	HCL053
	Slide(5)	HCL054
	Block	HCL055
Breast Analyte Control (Two cores: negative and positive for HER2, ER and PR)	Slide(2)	HCL013
	Slide(5)	HCL014
	Block	HCL015
Breast Analyte Control ^{DR} (Five cores: variable levels of expression of HER2, ER and PR.)	Slide(2)	HCL016
	Slide(5)	HCL017
	Block	HCL018
PD-L1 Analyte Control ^{DR} (Four cores: negative, low, intermediate and high levels of expression of PD-L1)	Slide(2)	HCL019
	Slide(5)	HCL020
	Block	HCL021
ROS1 Analyte Control (Two cores: negative and positive for ROS1 translocation SLC34A2- ROS1)	Slide(2)	HCL022
	Slide(5)	HCL023
	Block	HCL024
ROS1 Analyte Control ^{DR} (Three cores: negative, FIG-ROS1 (very low fusion protein), SLC34A2-ROS1 (high fusion protein))	Slide(2)	HCL035
	Slide(5)	HCL036
	Block	HCL037
HER2 Analyte Control ^{DR} (Four cores: 0, 1+ (both non-amplified), 2+ (equivocal) and 3+ (amplified))	Slide(2)	HCL026
	Slide(5)	HCL027
	Block	HCL028
Estrogen Receptor Analyte Control ^{DR} (Four cores: negative, low, intermediate and high)	Slide(2)	HCL029
	Slide(5)	HCL030
	Block	HCL031
Progesterone Receptor Analyte Control ^{DR} (Four cores: negative, low, intermediate and high)	Slide(2)	HCL032
	Slide(5)	HCL033
	Block	HCL034
NTRK Analyte Control (Two cores: negative and positive for WT TrkA protein)	Slide(2)	HCL038
	Slide(5)	HCL039
	Block	HCL040
Mismatch Repair Analyte Control ^{DR} (Four cores, intact expression for MLH1/PMS/MSH2/MSH6, loss of expression for MLH1/PMS2, loss of expression for MSH2, loss of expression for MSH2/MSH6)	Slide(2)	HCL041
	Slide(5)	HCL042
	Block	HCL043
MLH1/PMS2 Analyte Control (Two cores, one with MLH1 deletion and loss of expression of MLH1 and PMS2, one with intact expression for MLH1 and PMS2)	Slide(2)	HCL044
	Slide(5)	HCL045
	Block	HCL046
MSH2 Analyte Control (Two cores, one with loss of MSH2 expression, one with intact expression of MSH2)	Slide(2)	HCL047
	Slide(5)	HCL048
	Block	HCL049
MSH6 Analyte Control (Two cores, one with loss of MSH6 expression, one with intact expression of MSH6)	Slide(2)	HCL050
	Slide(5)	HCL051
	Block	HCL052



Quality in Control

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