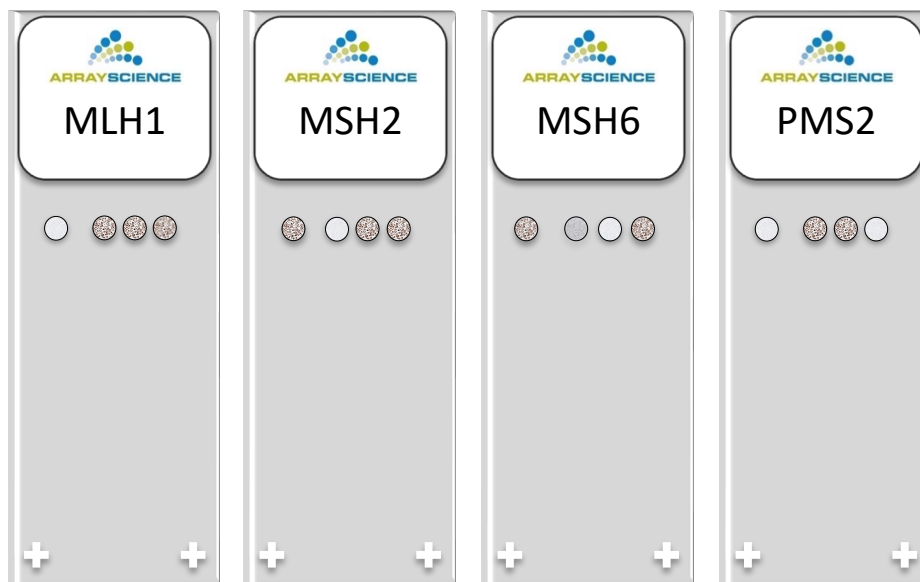


	Technical Data Sheet	
Mismatch Repair Control	Catalog #	MMR-4-1-3-1
	CMA/Lot #	1213
	Intended Use	<i>Research Use Only</i>

Description	Mismatch Repair Control					
Array Science Catalog Number	MMR-4-1-3-1					
Uses	<p>Mismatch repair protein control block for immunohistochemistry. This control provides specific knockouts of each of the four proteins typically assessed when investigating mismatch repair enzyme deficiency: MLH1, MSH2, MSH6 and PMS2.</p> <p>These cell lines provide appropriate assay <i>positive and negative</i> controls, as opposed to typical normal tissue controls that show no loss of protein expression.</p> <p>The array slides may be helpful for initial assay optimization, validation, and daily QC for monitoring assay consistency.</p>					
Expected Reactivity	Assay	MLH1	MSH2	MSH6	PMS2	
	CORE					
	1 MLH1 KO	Loss			Loss	
	2 MSH2 KO		Loss	<i>Partial Loss*</i>		
	3 MSH6 KO			Loss		
	4 PMS2 KO				Loss	



Note: There is some preservation of the MSH6 protein in the MSH2 knockout cell line (Core 2), as may be seen in some tumors.



Technical Data Sheet

Mismatch Repair Control

Catalog #	MMR-4-1-3-1
CMA/Lot #	1213
Intended Use	Research Use Only

Description Mismatch Repair Control

Core Diameter	1mm
Core Depth	3mm
Estimated Yield	Up to 450 sections at 3-4um
Baking	Slides should be baked at 60-65°C for 1-2 hours prior to staining.
Cells Per Core	Approximately 2,000 cells are presented in each core on an H&E-stained histologic section.
Storage Conditions	4°C to 25°C
Stability	Use blocks within 24 months of the date of manufacture. Slides should be stained within 2 weeks of sectioning.
Indication	Research Use Only
Country of Origin	United States