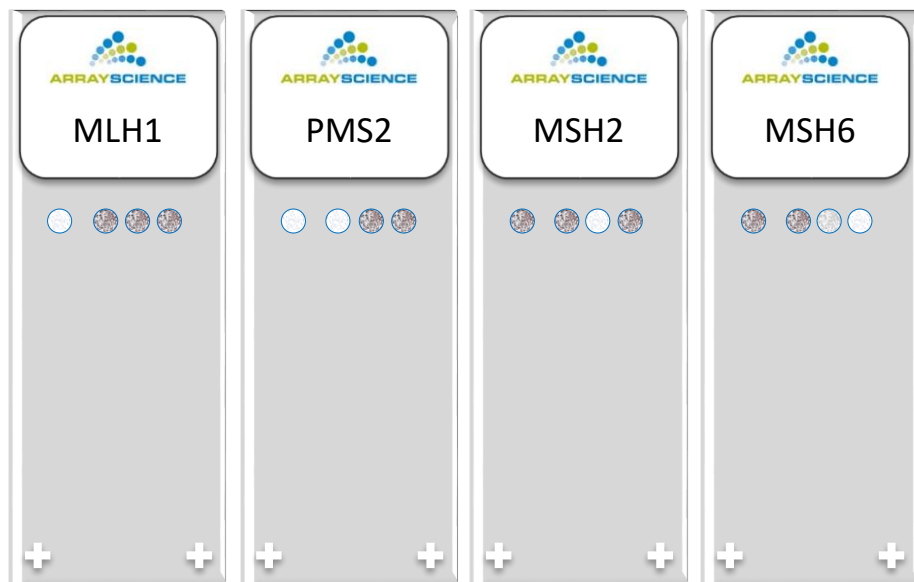


	Technical Data Sheet	
Mismatch Repair Control	Catalog #	MMR-4-1-3-2
	CMA/Lot #	1213
	Intended Use	<i>Research Use Only</i>

Description	Mismatch Repair Control				
Array Science Catalog Number	MMR-4-1-3-2				
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, PMS2, MSH2, and MSH6.</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		1	2	3	4
		MLH1 Knockout	PMS2 Knockout	MSH2 Knockout	MSH6 Knockout
	MLH1 Assay	Loss	Intact	Intact	Intact
	PMS2 Assay	Loss	Loss	Intact	Intact
	MSH2 Assay	Intact	Intact	Loss	Intact
	MSH6 Assay	Intact	Intact	<i>Partial Loss*</i>	Loss



Note: There is some preservation of the MSH6 protein in the MSH2 knockout cell line (Core 3), as may be seen in some tumors.



Technical Data Sheet

Mismatch Repair Control

Catalog #

MMR-4-1-3-2

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