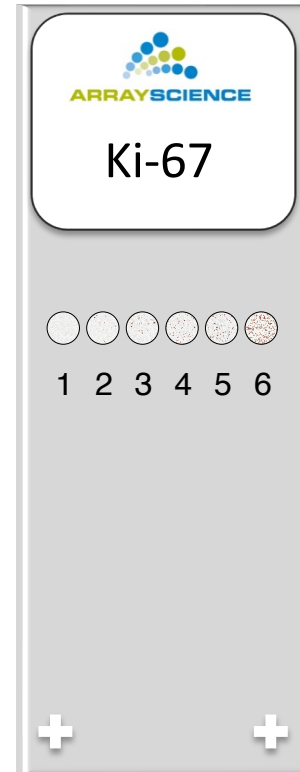




Technical Data Sheet

Ki-67 Standardization Control		Catalog #	Ki67-6-1-3-1-B
		CMA/Lot #	1017
Intended Use	Research Use Only	Date of Issue:	07NOV2023

Description	Ki-67 Standardization Control Block		
Array Science Catalog Number	Ki67-6-1-3-1-B		
Uses	<p>This array provides cell line mixes with consistent proliferation indices that can help assess the sensitivity and reproducibility of Ki-67 assays. The cell mixes consist of highly proliferative Jurkat cells titered into a background of negative cells (Sf9) at known concentrations.^{1,2} The product may be used with manual interpretation or image analysis applications. The array slides may be helpful for initial assay optimization, validation, and daily QC for monitoring assay consistency.</p>		
Composition	Core	Cell type	Ki-67 Index (approximate)
	1	Sf9	0 %
	2	5% Jurkat	5 %
	3	10% Jurkat	10 %
	4	20% Jurkat	20 %
	5	30% Jurkat	30 %
Core Diameter	1mm		
	3mm		
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 in 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		



Notes:

1. Target Ki-67 percentages are nominal; the actual proliferation index is consistent within a manufacturing lot but *may vary* among lots. The detected values will be dependent on assay conditions, including antibody clone and instrumentation, among others.
2. Aung TN, Acs B, Warrell J, Bai Y, Gaule P, Martinez-Morilla S, Vathiotis I, Shafi S, Moutafi M, Gerstein M, Freiberg B, Fulton R, Rimm DL. A new tool for technical standardization of the Ki67 immunohistochemical assay. *Mod Pathol.* 2021 Jul;34(7):1261-1270. doi: 10.1038/s41379-021-00745-6. Epub 2021 Feb 3. PMID: 33536573; PMCID: PMC8222064.