

Infinium Automation Reference

Product Name	Assay	Robot Process*	Tip Guide*	Scan Information: iScan™ System		Instrument Compatibility				
				Scan Setting	Approx. Scan Time (minutes) per BeadChip¹	Pre-amp		Post-amp		
						IAS (Hamilton)	IAPS with IAC	IAPS with ILASS 1.5	IAPS with ILASS 1.6	IAPS with ILASS 1.7
BovineHD Genotyping BeadChip	Infinium HD Super	MSA1	E	Infinium NXT	55²		Fully Automated			
Infinium CytoSNP-850K v1.4	Infinium HD Super	MSA1	E	Infinium NXT	40		Fully Automated			
Infinium OncoArray-500K	Infinium HTS	MSA3	G	Infinium NXT	60		Fully Automated			
BovineSNP50 v3-24	Infinium HTS	MSA3	G	Infinium LCG	30²		Fully Automated			
CanineHTS-24	Infinium HTS	MSA3	G	Infinium LCG	30²		Fully Automated			
Infinium Global Screening Array-24 v3.0	Infinium HTS	MSA3	G	Infinium LCG	32³		Fully Automated			
Infinium Global Screening Array with Cytogenetics-24 v1.0	Infinium HTS	MSA3	G	Infinium LCG	36		Fully Automated			
Infinium ImmunoArray-24 v2.0	Infinium HTS	MSA3	G	Infinium LCG	60		Fully Automated			
Infinium OmniExpress-24 v1.4	Infinium HTS	MSA3	G	Infinium LCG	60		Fully Automated			
Infinium QC Array-24 v1.0	Infinium HTS	MSA3	G	Infinium LCG	60		Fully Automated			
Infinium Asian Screening Array-24 v1.0	Infinium HTS	MSA3	G	Infinium LCG	60		Fully Automated			
Infinium HTS iSelect Methyl Custom BeadChip	Infinium HTS	MSA3	G	Infinium LCG	30²		Fully Automated			
Infinium HTS iSelect-24	Infinium HTS	MSA3	G	Infinium LCG	30³		Fully Automated			
Bovine Methylation Array-24 (EALR)	Infinium HTS	MSA3	G	Infinium LCG	30³		Fully Automated			
BovineSNP50 V3-XT	Infinium XT	MSA7	K, L, M	Infinium XTXCG	45²		Fully Automated			
Infinium XT iSelect-96	Infinium XT	MSA7	K, L, M	Infinium XT	45		Fully Automated			
Infinium Mouse Methylation	Infinium HD Methylation	MSA4	B	Infinium NXT	20²		Fully Automated			
Infinium MethylationEPIC-8 v2.0	Infinium HD Methylation	MSA4	B	Infinium NXT	20³		Fully Automated	Hyb to Xstain Semi-Automated		
Infinium Global Diversity Array-8 v1.0	Infinium LCG	MSA6	F	Infinium LCG	36		Fully Automated		Frag to Xstain Semi-Automated	
Infinium Global Diversity Array with Cytogenetics-8 v1.0	Infinium LCG	MSA6	F	Infinium LCG	24–40⁴		Fully Automated		Frag to Xstain Semi-Automated	
Infinium Global Diversity Array with Carrier Screening-8 v2.0	Infinium LCG	MSA6	F	Infinium LCG	16–40⁴		Fully Automated		Frag to Xstain Semi-Automated	
Infinium Global Diversity Array with PRS Content-8 v.10	Infinium LCG	MSA6	F	Infinium LCG	24–40⁴		Fully Automated		Frag to Xstain Semi-Automated	
Infinium Global Diversity Array with Enhanced PGx-8	Infinium LCG PGx	MSA6	F	Infinium LCG	40²		Semi Automated**		Recombine to Xstain Semi-Automated	
Infinium Global Clinical Research Array-24 v1.0	Infinium EX 24	ILASS	None	Infinium EX	31	Fully Automated		Fully Automated		
Infinium Global Clinical Research Array with Enhanced PGx v1.0	Infinium EX 24 PGx	ILASS	None	Infinium EX	30	Fully Automated		Fully Automated		
Infinium Global Screening Array-48 v4	Infinium EX 48	ILASS	None	Infinium EX	30	Fully Automated		Fully Automated		
Infinium Global Screening Array v4 with Enhanced PGx v4.0	Infinium EX 48 PGx	ILASS	None	Infinium EX	30	Fully Automated		Fully Automated		
Infinium Methylation Screening Array	Infinium EX Methylation	ILASS	None	Infinium EX	30²			Hyb to Xstain Semi-Automated	Fully Automated	
Infinium Methyl EX iSelect-24	Infinium EX Methylation	ILASS	None	Infinium EX	30²			Hyb to Xstain Semi-Automated	Fully Automated	
Infinium Methyl EX iSelect-48	Infinium EX Methylation	ILASS	None	Infinium EX	30²			Hyb to Xstain Semi-Automated	Fully Automated	

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				Scan Setting	Approx. Scan Time (minutes) per BeadChip¹	Pre-amp				
							Post-amp			
							IAS (Hamilton)	IAPS with IAC	IAPS with ILASS 1.5	IAPS with ILASS 1.6
EPIC-XTRA-24 (EALR)	Infinium EX Methylation	ILASS	None	Infinium EX	30²				Fully Automated	
Infinium EX iSelect-192	Infinium EXT	ILASS	None	Infinium EX	30²					Hyb to Xstain Semi-Automated

* Robot Process and Tip Guide applies exclusively to IAC workflows; ILASS workflows do not use these designations.

** TGA step is not supported for full automation.

¹ Approximate values extracted from product data sheets. Scan times, and maximum throughput may vary depending on laboratory and system configurations.

² Scan times are estimated. If scan times were not available at product launch, times were estimated from BeadChips of similar plexity or assay protocol guide.

³ Scan times are based on configurations associated with iScan computers installed in 2016 or later with LIMS integration turned off.

⁴ Scan times depend on BeadChip plexity.

Instructions for Use

- Review scan time details in the Scan Information section.
- Check automation compatibility in the Instrument Compatibility section (right side).