

Infinium™ Automation Reference Guide

A quick reference guide for automating Illumina BeadChip processing.

BeadChip ^a	Assay	Robot process	Tip guide	Scan information: iScan™ System	
				Scan setting	BeadChip scan time (minutes) ^b
Infinium Omni5-4	Infinium LCG Quad	AMP5	F	Infinium LCG	150
Infinium Omni5Exome-4	Infinium LCG Quad	AMP5	F	Infinium LCG	150
BovineHD	Infinium HD Super	MSA1	E	Infinium NXT	55
Infinium CytoSNP-850K	Infinium HD Super	MSA1	E	Infinium NXT	~ 60
Infinium OmniExpressExome-8	Infinium HD Super	MSA1	E	Infinium NXT	37
Infinium OmniZhongHua-8	Infinium HD Super	MSA1	E	Infinium NXT	55
Infinium OncoArray-500K	Infinium HTS	MSA3	G	Infinium NXT	29 ^c
BovineLD	Infinium HD Ultra	MSA3	D	Infinium HD-HT	7
BovineSNP50 v2	Infinium HD Ultra	MSA3	D	Infinium HD-HT	22
CanineHD	Infinium HD Ultra	MSA3	B	Infinium HD	34
Infinium Core-24	Infinium HTS	MSA3	G	Infinium LCG	30 ^c
Infinium CoreExome-24	Infinium HTS	MSA3	G	Infinium LCG	30 ^c
Infinium CytoSNP-12	Infinium HD Ultra	MSA3	B	Infinium HD	34
Infinium DrugDev Consortium Array-24	Infinium HTS	MSA3	G	Infinium LCG	30 ^c
Infinium Exome-24	Infinium HTS	MSA3	G	Infinium LCG	30 ^c
Infinium Global Screening Array-24	Infinium HTS	MSA3	G	Infinium LCG	30 ^c
Infinium ImmunoArray-24 v2	Infinium HTS	MSA3	G	Infinium LCG	30 ^c
Infinium Karyomap-12	Infinium Karyomapping	MSA3	B	Infinium HD	34
Infinium OmniExpress-24	Infinium HTS	MSA3	G	Infinium LCG	30 ^c
Infinium PsychArray-24	Infinium HTS	MSA3	G	Infinium LCG	30 ^c
Infinium QC Array-24	Infinium HTS	MSA3	G	Infinium LCG	30 ^c
Infinium iSelect™ HD-12	Infinium HD Ultra	MSA3	B	Infinium HD	20–35 ^d
Infinium iSelect HD-24	Infinium HD Ultra	MSA3	D	Infinium HD-HT	7–24 ^d
MaizeSNP50	Infinium HD Ultra	MSA3	D	Infinium HD-HT	22
OvineSNP50	Infinium HD Ultra	MSA3	B	Infinium HD	34
PorcineSNP50	Infinium HD Ultra	MSA3	B	Infinium HD	34
Infinium Methylation 450K	Infinium HD Methylation	MSA4	B	Infinium Methylation NXT	20 ^c
Infinium MethylationEPIC-8	Infinium HD Methylation	MSA4	E	Infinium Methylation NXT	20 ^c
Infinium Multi-Ethnic AMR/AFR-8	Infinium LCG	MSA6	F	Infinium LCG	36 ^c
Infinium Multi-Ethnic EUR/EAS/SAS-8	Infinium LCG	MSA6	F	Infinium LCG	36 ^c
Infinium Multi-Ethnic Global-8	Infinium LCG	MSA6	F	Infinium LCG	36 ^c
Infinium Omni2.5-8	Infinium LCG	MSA6	F	Infinium LCG	36 ^c
Infinium Omni2.5Exome-8	Infinium LCG	MSA6	F	Infinium LCG	36 ^c
Infinium XT iSelect-96	Infinium XT	MSA7	K, L, M	Infinium XT	45 ^c

a. BeadChips are listed alphabetically within each Robot Process (third column).

b. Scan times are estimated. If scan times were not available at product launch, times were inferred from BeadChips of similar plexity.

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

d. Scan times depend on BeadChip plexity.