

TAKE YOUR NEXT STEP WITH CONFIDENCE

AUTOMATED GENOMIC SOLUTIONS

HIGH PERFORMANCE CHEMISTRY. ADVANCED AUTOMATION. ONE TRUSTED SUPPLIER.



Solid Phase Reversible Immobilization (SPRI) Methodology

From the Human Genome Project to today's quest for precision medicine, Beckman Coulter Life Sciences is invested in providing sample prep solutions that improve your productivity.

Biomek automation can be complemented by a growing portfolio of genomic reagent kits. Our reagent portfolio is powered by Solid Phase Reversible Immobilization (SPRI) technology—widely known as the science behind AMPure XP—which uses SPRI paramagnetic beads to selectively bind nucleic acids by size. It's ideal for nucleic acid extraction from cells, tissue, blood and even challenging formalin-fixed, paraffin-embedded (FFPE) samples.



Biomek i5 Nucleic Acid Solution – Demonstrated Methods

	PURIFIED NUCLEIC ACID	INPUT MATERIAL	METHOD	MAXIMUM SAMPLE INPUT	BATCH SIZE	HANDS-ON TIME	USER INTERACTIONS	TOTAL TIME
CLEAN-UP AND SIZE SELECTION	DNA	NGS libraries and PCR products	AMPure XP	100 µL	96	10 min	2	19 min
		Sanger sequencing reactions	SPRIselect	25 µL	96	15 min	2	1 hr, 12 mins
		cDNA/RNA	CleanSEQ	180 µL	384	10 min	2	43 min
	DNA	cDNA synthesis and in vitro transcription reactions	RNAclean XP	100 µL	96	10 min	2	19 min
		Tissue, Saliva and Buccal swab	DNAdvance	20 mg	192	10 min	2	1 hr, 33 min
		Blood, Cells and Serum	GenFind V3	400 µL	48	20 min	2	3 hr, 6 min
	RNA	FFPE	FormaPure XL DNA	7 x 10 µm thick FFPE sections	48	20 min	3	5 hr, 4 min
		cfDNA	Apostle MiniMax™	4 mL	48	20 min	2	4 hr, 47 min
		Blood	RNAdvance Blood	400 µL	96	30 min	2	2 hr, 20 min
		Cells	RNAdvance Cell	400 µL	96	15 min	2	2 hr, 35 min
NUCLEIC ACID ISOLATION	RNA	Tissue	RNAdvance Tissue	400 µL	96	15 min	2	2 hr, 30 min
		FFPE	FormaPure XL RNA	7 x 10 µm thick FFPE sections	48	20 min	3	5 hr, 4 min
		DNA & RNA	Saliva and Transport media	200 µL	192	25 min	2	1 hr, 30 min
		Transport media	RNAdvance Viral XP	200 µL	192	25 min	2	1 hr, 15 min
	FFPE		FormaPure XL Total	7 x 10 µm thick FFPE sections	48	20 min	3	6 hr, 58 min

You can use our chemistries with manual and/or fully automated methods on your choice of platforms, for optimum performance, flexibility and scalability. Find out more at Beckman.com.

