



# GENOMIC PRODUCTS PORTFOLIO OVERVIEW



## Advancing science is in our DNA

From the Human Genome Project to today's quest for precision medicine, we've long invested in providing genomic products that reduce complexity and improve productivity.

Our reagent portfolio is powered by SPRI technology, widely known for use in our AMPure XP reagent, which uses paramagnetic beads to selectively bind nucleic acids by type and size. SPRI technology enables our chemistries to deliver high-performance isolation, purification and cleanup protocols supporting applications such as qPCR, Sanger sequencing, next-generation sequencing (NGS) and microarrays.

Our chemistries can be used interchangeably between manual methods and automated methods on Biomek liquid handlers, combining optimum performance with unprecedented flexibility.

### SOLUTIONS FOR:

- DNA Isolation
- RNA Isolation
- Total Nucleic Acid Isolation

### SUPPORTED APPLICATIONS:

- Next-Generation Sequencing
- PCR/qPCR
- Sanger Sequencing





# Selection Guide

- Fully supported and validated
- Demonstrated, data generated, and/or supplemental protocol
- ▲ Customer evaluated, data generated

STARTING MATERIAL		TNA ISOLATION	DNA ISOLATION				cf DNA	RNA ISOLATION					PURIFICATION & CLEANUP			
		FormaPure Total	CosMCPrep	DNAdvance	GenFind v3	FormaPure DNA	Cell-Free DNA Extraction Apostle MiniMax	FormaPure RNA	RNAAdvance Blood	RNAAdvance Cell v2	RNAAdvance Tissue	RNAAdvance Viral	AMPure XP	CleanSeq	RNAClean XP	SPRIselect
MAMMALIAN SAMPLES	Buccal Swabs			●	●											
	FFPE Tissue	■				■		■								
	FTA Cards/Blood Spots				●											
	Oragene™ Saliva Collection Tubes			■	▲											
	Norgen™ Saliva Collection Tubes			▲												
	Oracollect™ Saliva Collection Tubes				■											
	Plasma				●		■		▲							
	Serum				■		■									
	Fresh or Frozen Tissue			■	●						■					
	Whole Blood				■				●							
	PAXGene Preserved Blood				●				■							
	Milk				▲											
	Saliva, Mouthwash				●							■				
	Urine						■									
	Nasopharyngeal Swabs											■				
	Oropharyngeal Swabs											■				
	Swab Transport Media											■				
CELL CULTURES	Adherent and Non-Adherent				●					■						
	Large Number of Cells (up to 4 million)				●											
	Primary Cells (e.g. PBMC)				●				●	■	●					
BACTERIA AND FUNGI	E. coli		■	●	●											
	Pseudomonas				●						●					
	Staphylococcus Aureus			●	●											
	Klebsiella Pneumoniae			●												
	Candida Albicans			●												
	Neurospora Intermedia										▲					
PLASMIDS	BACs, Cosmids, Fosmids		■													
VIRUS	HSV-2			▲												
	Chronic Hepatitis C Virus				▲				▲	▲						
	HPV				▲											
OTHER SAMPLES	Avian Blood				▲											
	Insects (e.g. Drosophila)			●							▲					
	Fish (e.g. Zebra Fish)			▲	▲											
	Aquatic Invertebrates			▲												
NUCLEIC ACID SAMPLES	cDNA Synthesis														■	
	Dye Terminator Removal													■		
	In vitro Transcription														■	▲
	NGS Library Construction Steps												■		▲	■
	PCR Products												■			
SELECTION GUIDE	Customer evaluated, data generated			▲												
	Demonstrated, data generated, and/or supplemental protocol			●												
	Fully supported and validated			■												