

Genomic Reagent Selection Guide

- = Protocol detailed in product's Instructions For Use or Manual
- O = Supplemental data available from Beckman Coulter Life Sciences
- Δ = Customer-published data available

Application:		DNA Extraction				RNA Extraction					DNA & RNA Extraction		Cleanup and Size Selection				
Input Sample Type		GenFind V3 kit	DNAdvance kit	FormaPure XL DNA kit	CosMCPrep kit	RNAdvance Blood kit	RNAdvance Tissue kit	RNAdvance Cell V2 kit	RNAdvance Viral kit	FormaPure XL RNA kit	FormaPure XL Total kit	Mixed kit components	AMPure XP reagent	SPRIselect reagent	RNAClean XP reagent	CleanSEQ reagent	
	Blood, fresh or frozen whole	•				Δ											
	EDTA-preserved blood	•															
	Citrate-preserved blood	•															
	Heparin-preserved blood	•															
	PAXgene™-preserved blood	0				•											
	RNAgard®-preserved blood					Δ											
	Blood spots, dried	0															
	Archived neonatal blood spots	Δ															
	Filter paper	0															
	FTA cards	0															
Biofluids	Buccal swabs		o														
	Cells isolated from blood samples	Δ															
	Circulating tumor cells (CTCs)							Δ									
	Hematopoietic progenitor cells (HPCs)	Δ															
	Hematopoietic stem cells (HSCs)	Δ															
	PBMCs	Δ															
	Mouthwash	0															
	Naso- or Oropharyngeal Swabs								•								
	Saliva	0	0						•								
	Serum	•															





Application: Input Sample Type				NA action			Ex	RNA tracti	ion		DNA & RNA Extraction		Cleanup and Size Selection			
		GenFind V3 kit	DNAdvance kit	FormaPure XL DNA kit	CosMCPrep kit	RNAdvance Blood kit	RNAdvance Tissue kit	RNAdvance Cell V2 kit	RNAdvance Viral kit	FormaPure XL RNA kit	FormaPure XL Total kit	Mixed kit components	AMPure XP reagent	SPRIselect reagent	RNAClean XP reagent	CleanSEQ reagent
	3D cell culture						Δ									
	Organotypic tumor spheroids						Δ									
	Eukaryotic cells	•				o		•				0				
	200 to 50,000	•						•				0				
	50,000 to 0.5 million	•				o						0				
	0.5 million to 2 million	•				0										
	2 million to 3 million					0										
	Human cell lines	0				0		0				0				
	ACHN cells							0								
Primary &	HCT116 cells					0		0								
Cultured Cells	IMR-90 cells	0														
	Jurkat cells	Δ										0				
	MCF-7 cells							Δ								
	MDA-MB-468							Δ								
	MRC-5 cells							0								
	PANC-1 cells							0								
	Mouse cells						Δ									
	Embryonic fibroblasts						Δ									
	Primary hepatocytes						Δ									
	Bacteria	0			•		0									
	Gram-positive bacteria	0					0									
	Bacillus subtilis						0									
	Corynebacterium	0														
	Mycobacterium	0														
	Staphylococcus aureus	0														
	Streptococcus salivarius						0									
	Gram-negative bacteria	0			•		o									
	Escherichia coli	0					0									
	E.coli cells transformed with high- or low-copy plasmids, fosmids and BAC vector-based constructs				•											
Model	Salmonella	0														
Organisms & Related Areas	Mucoid bacteria	0			0		0									
of Study	Pseudomonas aeruginosa	0					0									
or study	P. aeruginosa cells transformed with high copy small (<10kb) plasmid				0											
	Filamentous fungi	0														
	Aspergillus niger	0														
	Fruit fly (<i>Drosophila</i>)		Δ													
	Primate, non-human											0				
	Rodent / murine tissue	0	•				0					0				
	Mouse liver											0				
	Mouse lung	0														
	Subcutaneous xenograft tumor						Δ									
	Tail		•				0									

Application: Input Sample Type				NA action			Ex	RNA tracti	on		DNA & RNA Extraction		Cleanup and Size Selection			
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	Formalin-fixed, non-paraffin- embedded tissue			o												
	Formalin-fixed brain Formalin-fixed, paraffin-embedded			•						•						
	(FFPE) tissue															
	FFPE breast			0						0	0					
	FFPE intestine			0						0	0					
	FFPE lung			0						0	0					
	FFPE lymph nodes			Δ												
	FFPE metastatic melanoma										Δ					
	FFPE pancreatic carcinoma			Δ												
	FFPE prostate			0						0	0					
	FFPE spleen			Δ												
	FFPE squamous cell carcinoma									Δ						
	Fresh or frozen tissue	0	•				•					0				
	Adrenal gland											0				
Solid Tissue	Brain		0				0					0				
Samples	Breast tumor						Δ									
	Gonads											0				
	Heart											0				
	Kidney		0				0					0				
	Liver		0				0					0				
	Lung	0	o				o									
	Lymphatic tumor		Δ													
	Muscle											0				
	Spinal Cord											0				
	Spleen											0				
	Tissue-Tek* O.C.T-embedded frozen tissue		Δ													
	Colorectal tumor		Δ													
	Diaphragmatic tumor (NSCLC)		Δ													
	Liver		Δ													
	Liver tumor (SCLC)		Δ													
	Lung tumor (SCLC)		Δ													
Nucleic Acid	DNA												•	•		•
	BigDye Terminator Cycle Sequencing Reaction products															•
	Fragmented dsDNA													•		
	PCR amplicons												•			
Samples	Sheared gDNA												0			
	RNA/cDNA												Δ		•	
	Antisense RNA amplification products														•	
	In vitro transcription products												Δ		•	
	RNA and cDNA probe synthesis products														•	





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