

MagNA Pure 24 System protocols

Target	Protocol name	Input sample type and sample volumes										Elution volume	Run time† (h:mm)
		Whole blood	Plasma	Serum	Nasal swabs*	BAL**	Urine	Stool	Cultured cells	Fresh-frozen tissue	FFPET***		
Bacterial, fungal, and viral NA	Pathogen 200 Protocol optimized for speed	200 µL										50 or 100 µL	1:22
	Fast Pathogen 200 8 sample protocol optimized for speed, yield and purity	200 µL											0:35
	Pathogen 1000 Protocol optimized for yield and purity	500 or 1000 µL											1:40
	External Lysis Pathogen 200 External Lysis Pathogen 500 Protocols optimized with external lysis buffer	450 µL lysate from 200 µL sample						1450 µL lysate from 500 µL sample					1:30
Genomic DNA	hgDNA 200 Protocol optimized for human genomic NA	200 µL (≤2 × 10 ⁶ cells)						Up to 5 × 10 ⁵	Up to 5mg			100 or 200 µL	1:15
	Fast hgDNA 200 8 sample protocol optimized for speed												0:25
	hgDNA ds 200 Protocol optimized for NGS												1:15
	hgDNA 1000 Protocol optimized for yield and purity	500 µL (≤5 × 10 ⁶ cells) 1000 µL (≤1 × 10 ⁷ cells)						Up to 1 × 10 ⁵				2:25	
	DNA FFPET 1000 Deparaffinization and lysis on board										Up to 6 × 5 µm sections (up to 6 mm ²)	50 or 100 µL	5:30
Cell-free NA	cfNA ss 2000 cfNA ss 4000 Protocols optimized for single-stranded DNA	2000 µL 4000 µL									50 or 100 µL	2:05	
	cfNA ds 2000 cfNA ds 4000 Protocols optimized for double-stranded DNA	2000 µL 4000 µL										100, 150, or 200 µL	2:30
	cfNA ds 4000 hp Protocol optimized for double-stranded DNA and NGS	4000 µL									60 or 150 µL	4:40	
Post elution	Sample Transfer to the processing cartridge	200 µL 500 µL 1000 µL											0:08
	PCR Setup for 2-25 µL per eluate for PCR Setup in FrameStrip with flat caps-Low Profile or LightCycler® 8-tube strips												0:05
	Archiving for 25-50 µL per eluate FrameStrip low profile strips, or LightCycler® 8-tube strips												0:05

New protocol

*Nasopharyngeal/nasal swabs

**BAL - Bronchoalveolar lavage

***FFPET - formalin-fixed paraffin-embedded tissue

†These times are approximate and should only be used as a guidance.

Start here. Go Anywhere.

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