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												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 / 1:40
Genomic DNA	**hgDNA 200** Protocol optimized for human genomic NA	200 µL (≤2 × 10^6 cells)							Up to 5 x 10^5	Up to 5mg		50 or 100 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 x 10^6			100 or 200 µL	2:25
	DNA FFPET 1000 Deparaffinization and lysis on board										Up to 6 x 5 µm sections (up to 6 mm³)	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 / 3:00
	cfNA ds 2000 cfNA ds 4000 Protocols optimized for double-stranded DNA		2000 µL 4000 µL									100, 150, or 200 µL	2:30 / 3:30
	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 Frame-Strip 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

*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.