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 yield and purity	200 µL										50 or 100 µL	1:14
	Fast Pathogen 200 8 sample protocol optimized for speed												0:33
	Pathogen 1000 Protocol optimized for yield and purity	500 or 1,000 µL											1:31
	External Lysis Pathogen 200 Protocols optimized with external lysis buffer	450 µL lysate from 200 µL sample											1:22
	External Lysis Pathogen 500 Protocols optimized with external lysis buffer	1,450 µL lysate from 500 µL sample											1:31
Genomic DNA	**hgDNA 200** Protocol optimized for human genomic NA	200 µL (≤2 × 10^6 cells)							Up to 5 × 10^5	Up to 5 mg			1:07
	Fast hgDNA 200 8 sample protocol optimized for speed												0:27
	hgDNA ds 200 Recommended when double -stranded DNA is required												1:07
	hgDNA 1000 Protocol optimized for human genomic NA	500 µL (≤5 × 10^6 cells) 1,000 µL (≤1 × 10^7 cells)							Up to 1 × 10^6			100 or 200 µL	2:16
	DNA FFPET 1000 Deparaffinization and lysis on board										Up to 6 x 5 µm sections (up to 6 mm^3)	50 or 100 µL	5:36
Cell-free NA	**cfNA ss 2000** **cfNA ss 4000** Protocols optimized for single-stranded DNA		2,000 µL 4,000 µL									50 or 100 µL	1:44 2:25
	cfNA ds 2000 **cfNA ds 4000** Protocols optimized for double-stranded DNA		2,000 µL 4,000 µL									100, 150, or 200 µL	2:09 2:49
	cfNA ds 4000 hp Protocol optimized for double-stranded DNA and NGS		4,000 µL									60 or 150 µL	3:57
Liquid handling	**Sample Transfer** to the processing cartridge for 24 samples	200 µL 500 µL 1,000 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 for 24 eluates												0:01
	Archiving for 25-50 µL per eluate FrameStrip low profile strips, or LightCycler® 8-tube strips for 24 eluates												0:01

*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.

Published by
Roche Sequencing and Life Science
9115 Hague Road
Indianapolis, IN 46256
MC-US-05971 02/24