

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

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

†FFPET - formalin-fixed paraffin-embedded tissue

Start here. Go Anywhere.

All MagNA Pure 24 kits, consumables, and accessories are for in vitro diagnostic unless otherwise noted.
MAGNA PURE and LIGHTCYCLER are registered trademarks of Roche.
All other product names and trademarks are the property of their respective owners.
©2020 Roche Molecular Systems, Inc. All rights reserved.

Published by
Roche Molecular Systems, Inc
4300 Hacienda Drive
Pleasanton, CA 94588 USA
PP-GBL-00834 02.2020