

# MagNA Pure 24 System protocols

Target	Protocol name	Input sample type and sample volumes										Elution volume	Run time <sup>†</sup> (h:mm)	
		Whole blood	Plasma	Serum	Nasal swabs*	BAL**	Urine	Stool	Cultured cells	Fresh-frozen tissue	FFPET***			
Bacterial, fungal, and viral NA	<b>Pathogen 200</b> Protocol optimized for yield and purity	200 µL										50 or 100 µL	1:14	
	<b>Fast Pathogen 200</b> 8 sample protocol optimized for speed												0:33	
	<b>Pathogen 1000</b> Protocol optimized for yield and purity	500 or 1,000 µL											1:31	
	<b>External Lysis Pathogen 200</b> Protocols optimized with external lysis buffer	450 µL lysate from 200 µL sample											1:22	
	<b>External Lysis Pathogen 500</b> Protocols optimized with external lysis buffer	1,450 µL lysate from 500 µL sample											1:31	
Genomic DNA	<b>hgDNA 200</b> Protocol optimized for human genomic NA									Up to 5 mg		50 or 100 µL	1:07	
	<b>Fast hgDNA 200</b> 8 sample protocol optimized for speed	200 µL (≤2 × 10 <sup>6</sup> cells)						Up to 5 × 10 <sup>5</sup>					0:27	
	<b>hgDNA ds 200</b> Recommended when double-stranded DNA is required												1:07	
	<b>hgDNA 1000</b> Protocol optimized for human genomic NA	500 µL (≤5 × 10 <sup>6</sup> cells) 1,000 µL (≤1 × 10 <sup>7</sup> cells)						Up to 1 × 10 <sup>6</sup>					100 or 200 µL	2:16
	<b>DNA FFPET 1000</b> Deparaffinization and lysis on board									Up to 6 × 5 µm sections (up to 6 mm <sup>2</sup> )			50 or 100 µL	5:36
Cell-free NA	<b>cfNA ss 2000</b> <b>cfNA ss 4000</b> Protocols optimized for single-stranded DNA			2,000 µL 4,000 µL								50 or 100 µL	1:44	
	<b>cfNA ds 2000</b> <b>cfNA ds 4000</b> Protocols optimized for double-stranded DNA			2,000 µL 4,000 µL									100, 150, or 200 µL	2:09
	<b>cfNA ds 4000 hp</b> Protocol optimized for double-stranded DNA and NGS			4,000 µL								60 or 150 µL	2:49	
					4,000 µL								60 or 150 µL	3:57
Liquid handling	<b>Sample Transfer</b> to the processing cartridge for 24 samples							200 µL 500 µL 1,000 µL				50 or 100 µL	0:08	
	<b>PCR Setup</b> 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	
	<b>Archiving</b> 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

<sup>†</sup>These times are approximate and should only be used as a guidance.

Start here. Go Anywhere.

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