

Automated Nucleic Acid Extraction Systems



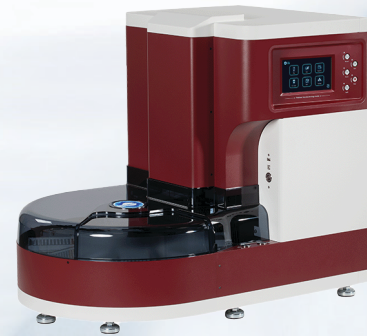
Maelstrom™ Switch 8

1 to 16 Samples per run



Maelstrom™ 9610

6 to 96 Samples per run

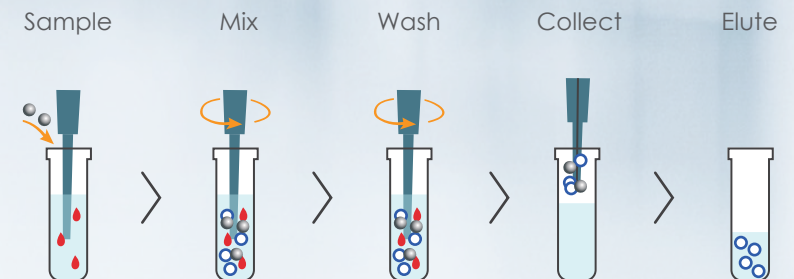


Maelstrom™ 4810

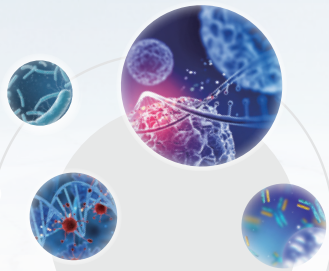
1 to 48 Samples per run



Highly efficient nucleic acid purification utilising patented Maelstrom™ spin mixing technology



 Sample  MagneticBead  DNA/RNA



Distributed in Australia & New Zealand by

Integrated Sciences 40 YEARS

Australia 1800 252 204
New Zealand 0800 448 340
tech@integratedsci.com.au

Kit*	Sample Types**	Sample Input	Downstream Application	Hands On Time***	Incubation Time***	Run Time on Instrument
Stool Cell DNA	Stool	50 mg stool	PCR-based analysis, NGS	5 mins	10 mins	~35 mins
OptiPure Viral	300µL serum or PBS suspension	300 µL serum or PBS suspension	PCR-based analysis	5 mins	No incubations required	~35 mins
OptiPure FFPE DNA	FFPE tissue sections	5 µm FFPE section or curl input. For 50mm ² -600mm ² (5 um thick slides), recommended 1-2 pieces of sample input. For 25mm ² -300mm ² (10 um thick scrolls), recommended 2-3 pieces of sample input.	PCR-based analysis, NGS	20 mins	2.5 to 3.5 hours	~40 mins
OptiPure FFPE RNA (RUO only)	FFPE tissue sections	5 µm FFPE section or curl input (as above)	PCR-based analysis, NGS	20 mins	1.5 to 3 hours	~32 mins
OptiPure cfDNA	Serum, Plasma (Strek tubes recommended)	500 µL plasma / serum (up to 6ml in high volume kit)	PCR-based analysis, NGS	10 mins	40 mins	~47 mins
Tissue Total DNA	Tissue, cells, urine	50~100 mg tissue	PCR-based analysis, NGS	10 mins	70 mins	~60 mins
Tissue RNA	Tissue, cells, bacteria, urine, whole blood, swab	2~5 x 10 ⁵ cells or 30~50 mg tissues	PCR-based analysis, NGS	10 mins	20 mins	~35 mins
Gram Bacteria DNA	Gram-positive/ negative bacteria culture or Mycobacterium tuberculosis in sputum/BAL	Bacteria suspension	PCR-based analysis, NGS	10mins	30 mins	~60 mins
OptiPure Blood DNA	Whole blood, frozen blood, or buffy coat	300 µL whole blood, frozen blood, or buffy coat	PCR-based analysis, NGS	5 mins	No incubations required	~45mins
Blood RNA	Whole blood	50-200 µL fresh whole blood	PCR-based analysis, NGS	5 mins	10 mins	~36 mins
Environmental Microbiome DNA (RUO only)	Water, soil, and air	50 mg soil, stool, (filter membrane if using wastewater or air)	PCR-based analysis, NGS	10 mins	20 mins	~37 mins
Forensic DNA	Forensic samples (blood stain, dried blood spot, hair follicle, semen, cigarette, chewing gum, nail)	Various depending on the sample type. A table can be supplied if required	PCR-based analysis, STR (short tandem repeat)	10 mins	60 mins	~41 mins
Food and Plant	Food/plant material or products	50-250 mg material sample 1000 µL liquid sample	PCR and qPCR analysis	10 mins	35 mins	~45 mins

*All kits are IVD apart from those marked as RUO only

** Times will vary depending on number of samples to prepare and incubation time includes centrifugation times



TANBEAD

Integrated Sciences **40** YEARS