

T aiwan A dvanced N anotech

Maelstrom[™] 2410 _____

REVOLUTIONIZING MAGNETIC BEAD HANDLING

10 ml volume input capability









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MaelstromTM 2410 Series Features

Patented Maelstrom Spin Mixing Technology

Maelstrom 2410 is an automated nucleic acid extraction instrument designed for applications with large sample volume input requirements. Specialized spin tips enable efficient mixing of magnetic beads and protect magnetic rods. With an intuitive interface and flexible programs, Maelstrom 2410 can enable productivity by transforming routine operations into a walk-away solution.

Fully Automated

- Simultaneous processing and purification of DNA, RNA samples
- Streamlined collecting and mixing steps save your time and effort
- Independent temperature control modules ensure stability of purification performance

Patented Whirl Stirring Mixing Technology

- Processing volume up to 10,000µl
- Spin tips stir magnetic beads at speeds up to 2,500 rpm
- Effective prevention of aerosol cross contamination



Easy Operation

- Intuitive user interface and easy menu navigation
- Parameters can be fine-tuned based on experimental requirements

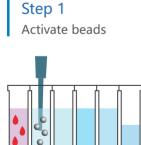


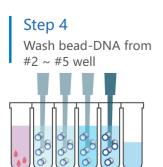
Time Saving

- High-throughput: 24 samples can be processed simultaneously
- High stirring efficiency with variable speeds for considerable time savings

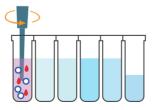
Principle of Nucleic Acid Extraction



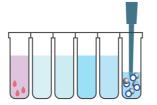






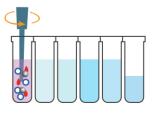


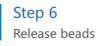
Step 5 Elute DNA

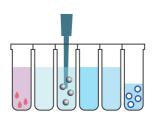


Step 3















MaelstromTM 2410 Series Features

Performance



The coefficient of variation of nucleic acid extraction concentration is less than 5%



High consistency



No Cross-contamination to neighbor well Experimental results



1 2 3 4 5 6 7 8 M 9 10 11 12 13 14 15 16

Specification

Model	Maelstrom [™] 2410		
Weight (NW)	Approx. 98 kg		
Dimensions (WxLxH)	89x57.5x77.5 cm		
Power rating	AC 220-240Vac, 3.5A		
Power rating	AC 100-120Vac, 8A		
Fuse	220V > 250V, 5A		
	110V > 250V, 10A		
Max. Throughput	24 samples per run		
Process. volume	100 µl ~ 10,000 µl		
Spin speed	up to 2,500 rpm		
Heater	4 heating plates		
Magnetic rod	>4700 gauss		
Display	7-inch touchscreen		
UV	UV-C type 4W		
HEPA	E10 Class		

Patents

USA	US09616398B2
EU	EP2937136
Canada	CA2862946
Japan	JP6151735B2
Korea	10-1696517
China	CN104971638B
Taiwan	TWI526245B

Reagent kits

* For Reagent kits order please contact TANBead

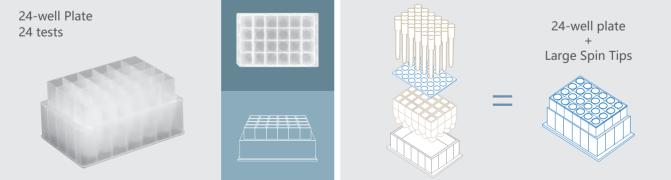
Sample	Description	Test	Reference No.	Ordering No.
cfDNA	TANBead OptiPure cfDNA Auto Kit	48	L91C045	301411

Maelstrom[™] 2410

Consumables

Images	Product Name	Format	Description	Ordering No.
	24-well plate Adapter	Auto Plate	 Incorporate with 24-well plate for number of tests 	104147
	24-well plate	Auto Plate	 Design for large sample volume process Processing volume 100µl-10mL 	104148
	3-well Auto Tube	Auto Tube	 Special Package for single or small number of tests Minimal consumable waste 	104149
	Deep-well Lv Adapter	Auto Tube	 Incorporate with 3-well Auto Tube for small number of tests 	104150
	Spin tip holder	Auto Plate Auto Tube	 Incorporate with Large Spin Tips for number of tests 	104142
	Large Spin Tips (Cone shape)	Auto Plate Auto Tube	 A unique design to maximum mixing efficiency With special edges to increase the turbulence and efficiency while processing large volumes. 	104141







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www.tanbead.com