

Maelstrom[™] 9600 ____

REVOLUTIONIZING MAGNETIC BEAD HANDLING

Maximize Throughput and Eliminate Cross-contamination







Patented Maelstrom Spin Mixing Technology

TANBead Maelstrom product embodies this novel technology and delivers improved performance for applications in molecular diagnostics and life sciences. Maelstrom Series are FDA and CE approved, and the patents are granted in the Canada, China, EU, Korea, Japan, Taiwan, and USA.



Fully Automated

- Simultaneous processing and purification of DNA,RNA samples
- Automation of complicated manual steps
- Independent temperature control modules ensure stability of purification performance





Patented Whirl Stirring Mixing Technology

- Processing volume up to 1,600μl
- Spin tips stir magnetic beads at speeds up to 3000 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: 96 samples can be processed simultaneously
- High stirring efficiency with variable speeds for considerable time savings

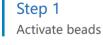


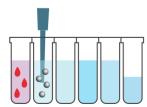
Principle of Nucleic Acid Extraction





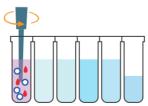






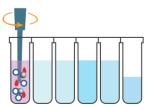
Step 2

Mix sample with Lysis Buffer



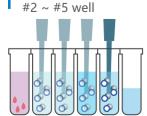
Step 3

Mix sample with beads



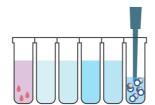
Step 4

Wash bead-DNA from



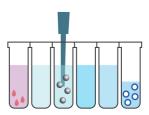
Step 5

Elute DNA



Step 6

Release beads



MaelstromTM 9600 Series Features

Performance

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

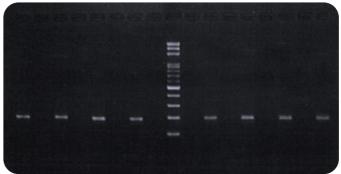


High consistency



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



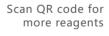
Specification

Model	Maelstrom™ 9600	
Run Time	25~60 min	
Samples per run	Max 96 samples	
Weight (NW)	130kg	
Dimensions (WxDxH)	87x57.5x70cm	
Power Supply	AC 220-240 V	
Processing volume	50µl - 1,600µl	
Magnetic Rod	>3,000 gauss	
Spin Speed	up to 3,000 rpm	
Temp control	4 set	
Heating Block	Yes (4 pcs)	
Heating	RT~130°C	
UV Lamp	Yes	
Display	7" touch screen	

Patents

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

Reagent kits

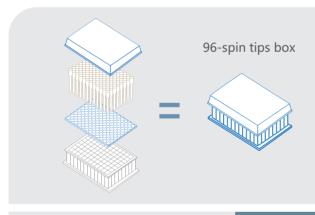


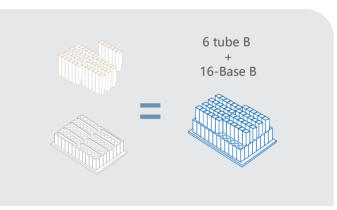


Sample	Target	Test	Kits Format	Ordering No.
Blood	Total DNA	96	Auto Plate	301188
Plant	Genomic DNA	96	Auto Plate	301194
cfDNA	NA cfDNA		Auto Plate	301214
Viral	Viral OptiPure DNA / RNA		Auto Plate	301224
Tissue	Genomic DNA		Auto Plate	301190
Forensic	Forensic Total DNA		Auto Plate	301291
Gram Bacteria	Bacteria Total DNA	96	Auto Plate	301198

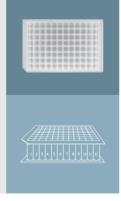
Consumables

Images	Product Name	Format	Description	Ordering No.
	96 deep well plate	Auto Plate	 Processing volume 50μl-1,600μl Widely use for molecular diagnostics 	083.MWP01.20X
	96-spin tips box	Auto Plate	• 96 pcs of Medium(pen-shape) spin tips in one box	083.MSP01.20X
	6 tube B	Auto Tube	 Special Package for single or small number of tests Minimal consumable waste No reagent loss 	104143
	16-Base B	Auto Tube	Incorporate with 6 tube B for small number of tests	104026
	Spin tips	Auto Plate Auto Tube	A unique design to maximum mixing efficiency	104157

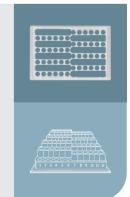














Taiwan Advanced Nanotech

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