

Maelstrom™ 8 Autostage

Light and easy to carry



Reference video

Introduction

Maelstrom 8 handler is a magnetic bead handling device with high speed stirring function, which can spin up to 3000 rpm. With eight magnetic rods, intuitive interface and simple operation, it can accomplish any nucleic acid extraction application. It works alone or with Autostage to form an automated solution, called Maelstrom 8 Autostage.

Specification

ITEM	SPECIFICATION
REF	M8-H
Weight (NW)	600 g
Dimensions	11.2(W)x6.3(L)x32.7(H) cm
Power rating	5 Vac, 2 A
Battery	3.7 Vac , 2,850 mAh
Max. Throughput	8 samples per run
Process. volume	50 μ l ~ 1,500 μ l
Spin speed	up to 3,000 rpm
Magnetic rod	> 3,000 gauss
Display	2.4" LCD, 240 x 320 pixels

ITEM	SPECIFICATION
REF	Maelstrom 8 Autostage
Weigh (NW)	9.6 kg
Dimensions	35.7(W)x19(L)x28
Power rating	19 Vac, 120 W
Heater	1 heating block

Key features



Automation of complicated manual steps



High efficiency purification driven by TANBead's patented whirl stirring mixing technology



Fully automated walk-away solution



A portable device that can be used from lab to field



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

- Eliminate human errors , ensure quality consistency
- An open system for a broad range of magnetic bead-based reagent kits



Patented Whirl Stirring Mixing Technology

- Processing volume up to 1,500 μ l
- Spin tips stir magnetic beads at speeds up to 3000 rpm



Easy Operation

- Intuitive user interface and easy menu navigation
- Data exchange via USB connected with laptop
- A portable device that can be used from lab to field



Time Saving

- 3,000 gauss magnetic rods efficiently collect magnetic beads
- Automation of complicated manual steps



Operating procedures



◀ Mix



◀ Collect



◀ Pause

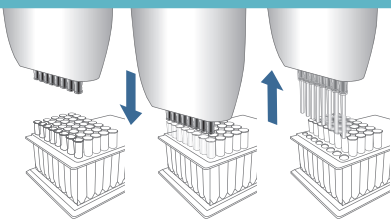


◀ Vapor

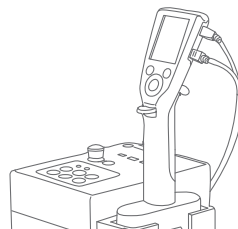


◀ Finish

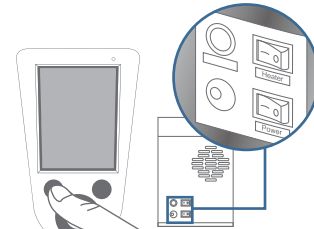
Mount the "Spin tips"



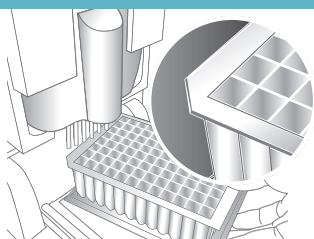
Connect Maelstrom 8 Handler and Autostage via transmission cable



Turn on Maelstrom 8 and the Autostage sequentially



Place reagent kits on the plate holder properly



Select "Guide" and the program by pressing "Enter Key"



A "check" mark will be appeared on the screen when program is completed

