

EmerTher® Esmart-M96s Magnetic Bead Separator 96 Pin (20mm)



Order online

Transfer magnetic beads from 96 wells in 5 sec
Manual procedure with automatic efficiency



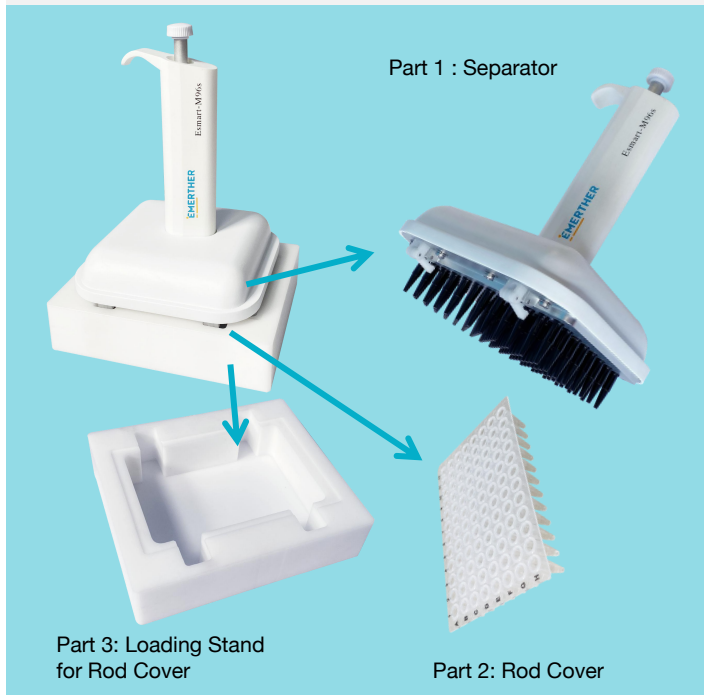
Light weight, portable, no battery required

The Magnetic Bead Separator, Esmart-M96s, was designed to simplify the process of transferring superparamagnetic beads between 96-well plates, improving nucleic acid purification and extraction efficiency when automatic extraction is not an option. The Esmart-M96s Separator effectively eliminates the traditional multiple pipetting steps required for washing and eluting biological samples.

The Separator works by attaching a standard PCR plate over its 96 magnetic rods. The PCR plate serves as a sterile barrier (rod cover) between the magnetic beads and magnetic rods. When the separator attached with the rod cover is gently inserted into a 96-well plate containing biological samples with magnetic beads in suspension, the magnetic beads are attracted by the magnetic rods and adsorbed securely to the tips of the rod cover. This allows for easy and quick transfer of the magnetic beads bound with biologic molecules from one solution to another solution. The beads can be easily released into the new solution by simply detaching the rod cover from the Esmart-M96s Separator. The strong magnetic force of the Esmart-M96s Separator ensures effective magnetic beads adsorption with no beads loss during the sample extraction/purification process.

Product Information

Esmart-M96s



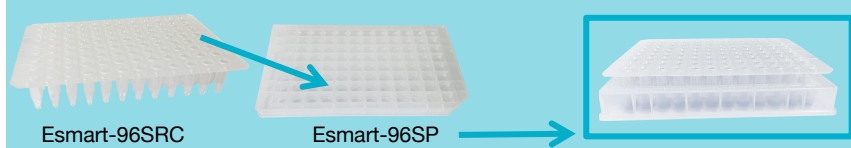
【Specifications】

Components	Part 1 :Separator Part 2: Rod Cover Part 3: Loading stand for Rod Cover
Specifications	Separator: 122mm × 123mm × 183 mm Magnetic rod length: 20 mm Rod cover size: 122 mm × 80 mm × 22mm Loading stand: 125mm × 135mm × 35 mm
Weight	Separator : 850g ± 50g Package: 1500g
Materials	high-intensity magnetic rods, plastic handle, metal plate

WARNING!!!!

Be advised that the Magnetic Bead Separator has magnetic fields. People with pacemakers should not get closer than 24 inches.

【Accessories】

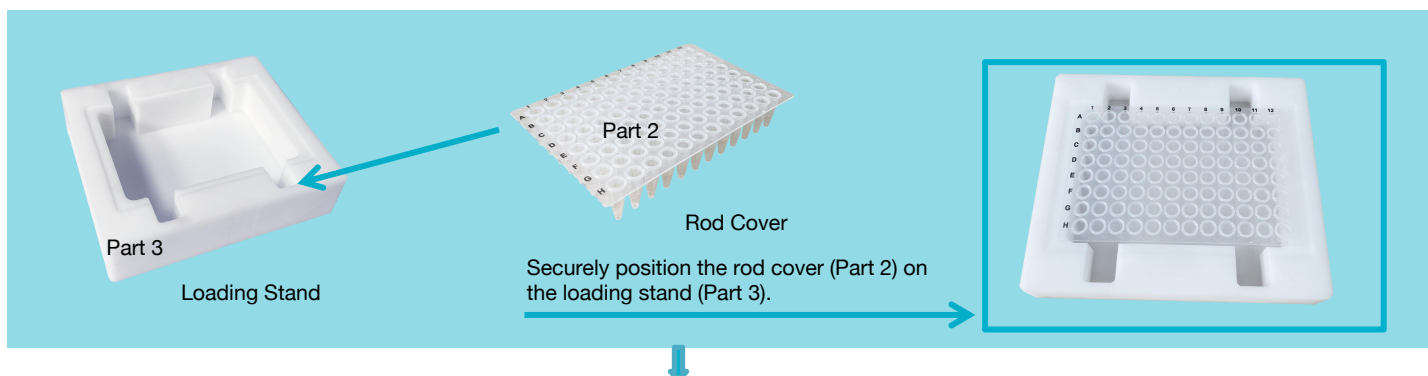


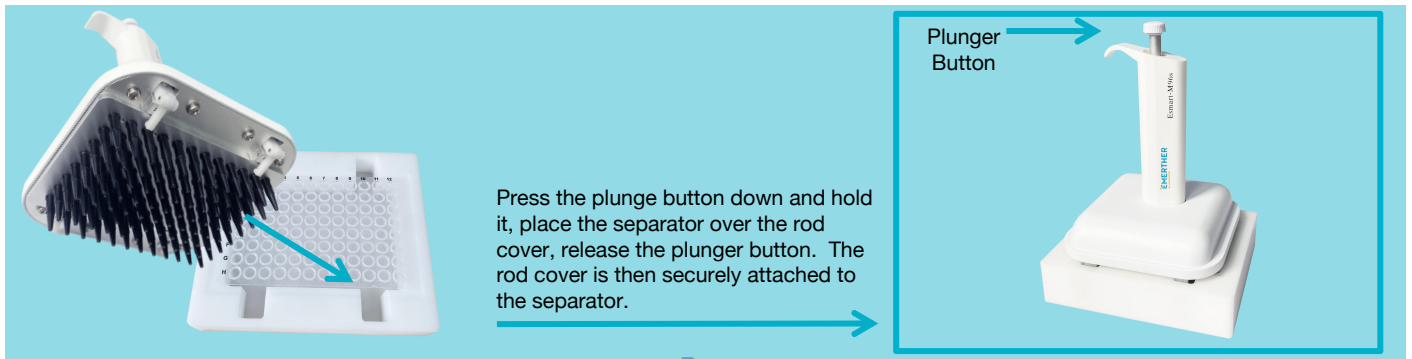
96 Shallow PCR Plate Rod Cover (Esmart-96SRC)
96-well Shallow Plate (Esmart-96SP)

Accessories (Sold separately)

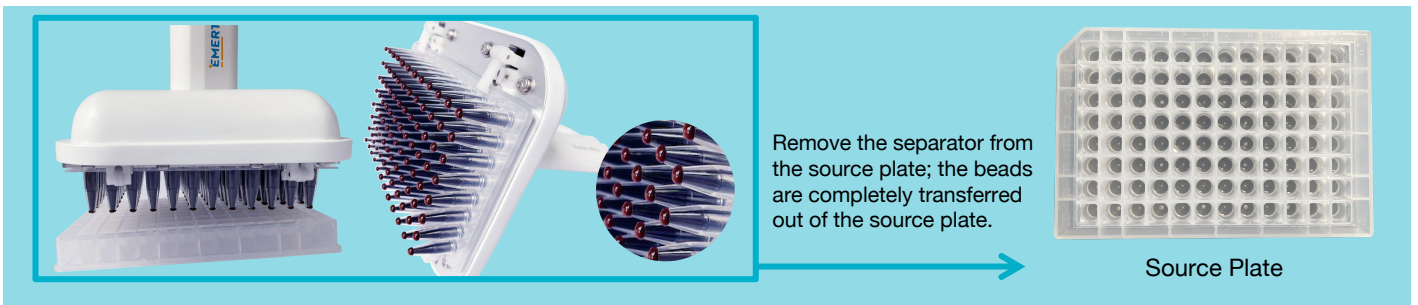
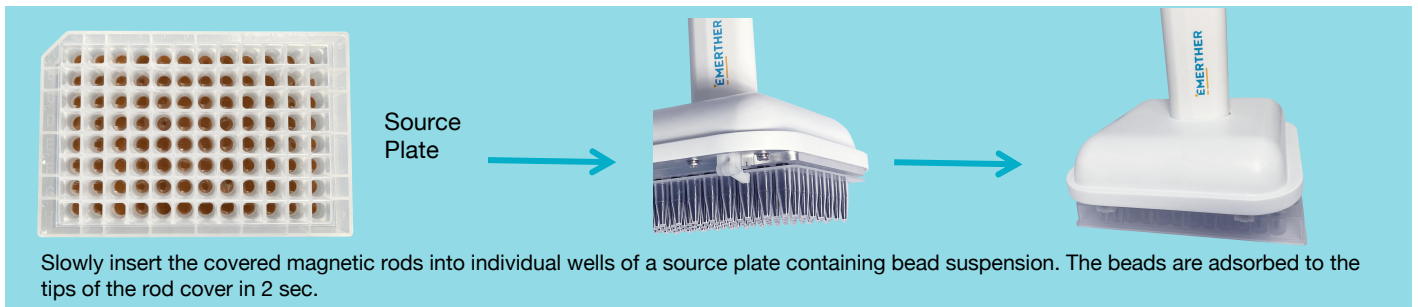
Procedure

1. Load the rod cover.





2. Move magnetic beads from source plate to destination plate.



Catalog

Product	Catalog No.	Unit/box	Price/box(USD)	
Esmart-M96s 96 Pin (20mm) Magnetic Bead Separator	Esmart-M96s	1	\$2000	
96 Shallow PCR Plate Rod Cover	Esmart-96SRC	10	\$35	
96-well Shallow Plate	Esmart-96SP	50	\$150	
Product	Catalog No.	Preps/bottle	Price/bottle(USD)	
Magnetic PCR Product Purification Kit	DF02001	100 preps	\$50	
	DF02002	500 preps	\$180	
	DF02003	10000 preps	\$2970	
Trade Term	FOB. Custom charge and shipping & handling cost not included			

EmerTher® Magnetic Beads -- Recommended for Use with Esmart-M96s



4.5 ml

25 ml

450 ml



Magnetic PCR Product Purification Kit

【Introduction】

EmerTher Magnetic PCR Product Purification Kit is intended for fast and simple purification of PCR products (> 100 bp). DNA fragments from PCR reactions selectively bind to EmerTher's unique superparamagnetic beads so that PCR by-products, such as primers, dimers, enzymes, unincorporated dNTPs and other contaminants, are removed during washing steps. Highly purified DNA is then eluted with low salt elution buffer or water and can be used directly for downstream applications, including sequencing (Sanger and next-generation sequencing), restriction digestion, *in vitro* transcription, and other subsequent experiments.

【Product Features】

- Completely removal of primers to avoid the interference of primers on sequencing
- Completely removal of proteins and dNTPs
- High recovery of PCR products (> 100 bp): 75-95%
- No centrifugation or filtration

【Components】

PCR Product Purification Beads	DF02001 (100 preps)	DF02002 (500 preps)	DF02003 (10000 preps)
	4.5 mL	25 mL	450 mL
Wash Solution (prepared by user)	70% ethanol		
Elution Solution (prepared by user)	TE buffer (pH 7.5-8.5) or H ₂ O		

【Storage and Expiration】

The product is shipped at room temperature; keep it at 2-8°C for long term storage up to 2 years.

【Device Recommended】

EmerTher® Esmart-M96s:
96 Pin (20mm) Magnetic Bead Separator