



MBI BeadBlaster-24R/ BeadBlaster -24 / BeadBlaster-6 Homogenizer



BeadBlaster-24



BeadBlaster-24R



BeadBlaster-6



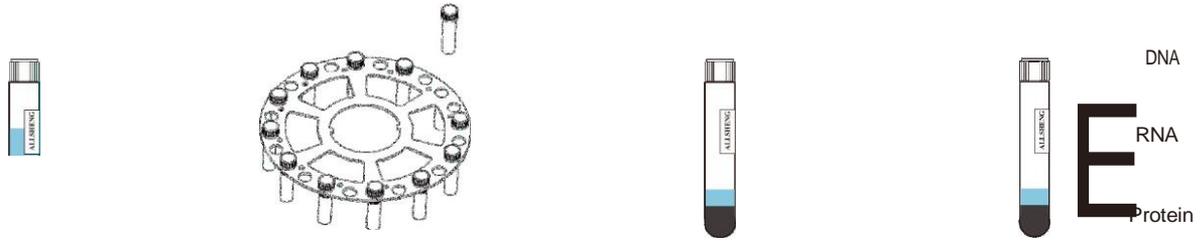
MBI BeadBlaster Series Homogenizer

MBI BeadBlaster series is fast and effective homogenizer with function of grind, lysis and homogenizing by three-dimensional vibration and coordinate the grind beads (glass beads, ceramic beads, metal beads etc.). Effective to homogenize the animal or plant tissue, bacteria, fungus and so on. It also with extraordinary power for processing hard lysis samples such as spore, hair, bones, feces, soil etc. Use with the related kits for fast, effective, reliable extraction the DNA/RNR/Protein from sample and preserve the integrity of biomacromolecule.

Characteristics

1. Available to lysis most of biological samples and preserve the integrity of biomolecule (DNA, RNA and protein) and pharmaceutical molecule.
2. Process 24 samples in the same time within 35 seconds.
3. Choose different programs and grind beads according to different samples.
4. Accurate setting of lysing time and speed, total 50 programs can be saved. Reduce the variance of different batches and same batch.
5. Disposable tubes ensure no cross-contamination or sample degradation.
6. Equip with open lid protection and emergency braking function. Device will be stop running automatically when the lid open or program error for the safety operation.
7. Multiple material and diameter beads for choose for different type of samples.

Operation procedure



1. Sample preparation
2. Handle the samples by BeadBlaster
3. Centrifugation
4. Get supernatant, added reagent to extract and purify the DNA/RNA, protein

Note: Because of the heat produced during the grinding process, so suggest to keep the tube with sample in the low temperature (-40°C) about 12 hours before grind work for get a better effect.

Consumable comparison



Rotor for BeadBlaster -6

Rotor for BeadBlaster -24 (R)

MBI BeadBlaster-6 Homogenizer



BeadBlaster-6
Homogenizer

MBI BeadBlaster-6 is individual type homogenizer, gathered the up-to-date percussion force technology and rotational speed control technology. It with extraordinary power for processing hard lysis samples such as spore, hair,

MBI BeadBlaster-24 Homogenizer



BeadBlaster-24
Homogenizer

MBI BeadBlaster-24 is fast and high though-put homogenizer with function of grind, lysis and homogenizing by three-dimensional vibration and coordinate the grind beads (glass beads, ceramic beads, metal beads etc.). Use with the related kits for fast, effective, reliable and batch extraction of the DNA/RNR/Protein from sample

MBI BeadBlaster-24R Homogenizer



BeadBlaster-24R
Homogenizer

MBI BeadBlaster-24R refrigerated homogenizer with the internal compressor which was upgraded on the basis of BeadBlaster-24 homogenizer. The sample will change to more crisp which can be homogenized easily and efficiently under the environment of low temperature. Thus, BeadBlaster-24R refrigerated homogenizer plays an

1. Sealed grind chamber, the lowest temperature reachto-10°C.
2. Built in fan to let the temperature difference s2°C in the grind chamber, and make the consistent homogenize effect.
3. Refrigeration by fluorine-free compressors, non-pollution.
4. Available for both dry grind and wet grind function.

■ Specification

Type	MBI BeadBlaster-6	BeadBlaster-24	BeadBlaster-24R(Cooling Function)
Temperature range	--	--	-10°C~40°C
From RT. to 0°C	--	--	<30min
Temperature uniformity	--	--	±2°C
Display	LCD	OLED	OLED
Speed Range (m/s)	4.00m/s~7.00m/s,increment 0.05m/s	4.00m/s~7.00m/s,increment 0.05m/s	4.00m/s~7.00m/s,increment 0.05m/s
Speed Range (rpm)	2500rpm -- 4350rpm, increment 10rpm	2430rpm -- 4260rpm, increment 10rpm	2430rpm -- 4260rpm, increment 10rpm
Cycle Duration	1s -- 90s, increment 1s	1s -- 90s, increment 1s	1s -- 90s, increment 1s
Pause lime	1s -- 90s, increment 1s	1s -- 90s, increment 1s	1s -- 90s, increment 1s
Cycle	10	10	10
Programmable		50	50
Sample Volume	6 x 2ml/1.5ml or 2 x 5ml	24x 2ml/1.5ml or 12x 5ml	24x 2ml/1.5ml or 12x 5ml
Acceleration Time	<2s	<4s	<4s
Deceleration Time	<2s	<4s	<4s
Noise	<65 db	<70 db	<70 db
Wearing part	No	No	No
Rotor	Rotor for 2ml/5ml (Standard)	Rotor for 2ml x 24 (Standard)	Rotor for 5ml x 12 (Optional)
Power	150W	500W	1000W
Dimensions (WxDxH)	354mmx218mmx206mm	280mmx360mmx385mm	330mmx520mmx400mm
Weight (kg)	8.9 kg	25.0 kg	40.0kg
Power Supply	AC100~240V, 50/60Hz	AC100~240V, 50/60Hz	AC100/AC240V, 50/60Hz