

Bioprep-24R/Bioprep-24 / Bioprep-6 Homogenizer



Bioprep-24



Bioprep-24R



Bioprep-6

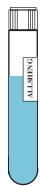
Bioprep Series Homogenizer

Bioprep 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.

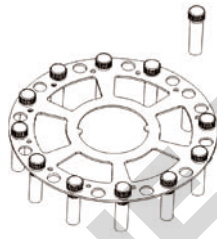
Characteristics

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



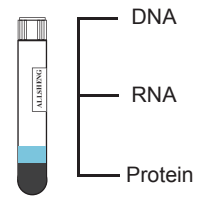
1. Sample preparation



2. Handle the samples by Bioprep



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 Bioprep-6



Holder and 2-3 x 2.0ml Adapter



Holder and 2-5.0ml Adapter



24X2.0ml rotor



12X5.0ml样品管托架

Rotor for Bioprep-24 (R)

Bioprep-6 Homogenizer



Bioprep-6 Homogenizer

Bioprep-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, bones, feces, soil etc. Rotor for 6x2.0ml grind tube and 2x5.0ml grind tube can be chose.

1. No need to process the sample by liquid nitrogen, just put the grind tube with sample into device, it will be grind automatically.
2. Process 6 x 2ml samples or 2 x 5ml samples simultaneously.
3. Disposable tubes ensure no cross-contamination.

Bioprep-24 Homogenizer



Bioprep-24 Homogenizer

Bioprep-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 and preserve the integrity of biomacromolecule.

1. No need to process the sample by liquid nitrogen, just put the grind tube with sample into device, it will be grind automatically.
2. Process 24 x 2ml samples or 12 x 5ml samples simultaneously.
3. Disposable tubes ensure no cross-contamination.

Bioprep-24R Homogenizer



Bioprep-24R Homogenizer

Bioprep-24R refrigerated homogenizer with the internal compressor which was upgraded on the basis of Bioprep-24 homogenizer. The sample will change to more crisp which can be homogenized easily and efficiently under the environment of low temperature. Thus, Bioprep-24R refrigerated homogenizer plays an important role in the extraction progress of RNA, DNA and the protein activity determination.

1. Sealed grind chamber, the lowest temperature reach to -10°C .
2. Built-in eddy fan to let the temperature difference $\leq 2^{\circ}\text{C}$ 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	Bioprep-6	Bioprep-24	Bioprep-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 time	1s -- 90s, increment 1s	1s -- 90s, increment 1s	1s -- 90s, increment 1s
Cycle	10	10	10
Programmable	1	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 (W×D×H)	354mm×218mm×206mm	280mm×360mm×385mm	330mm×520mm×400mm
Weight (kg)	8.9 kg	25.0 kg	40.0kg
Power Supply	AC100~240V, 50/60Hz	AC100~240V, 50/60Hz	AC100/AC240V, 50/60Hz

Order Information

Code	Description
AS-13010-00	Bioprep-24 Homogenizer AC100~240V, 50/60Hz
AS-13020-00	Bioprep-6 Homogenizer AC100~240V, 50/60Hz
AS-13030-00	Bioprep-24R Refrigerated Homogenizer
AS-13011-01	Rotor for 24 x 2.0ml (Bioprep-24/Bioprep-24R)
AS-13011-30	Rotor for 12 x 5.0ml (Bioprep-24/Bioprep-24R)
AS-13021-01	Holder for tubes (Bioprep-6)
AS-13021-02	Adapter for 3 x 2.0ml (Bioprep-6)
AS-13021-03	Adapter for 5.0ml (Bioprep-6)
AS-13021-04	DC24V, 6A Adapter (Bioprep-6)
AS-13011-03	2.0ml Grinding tube
AS-13011-04	5.0ml Grinding tube
AS-13011-05	Φ1.4mm Ceramic beads
AS-13011-06	Φ2.8mm Ceramic beads
AS-13011-07	Φ3mm Metal beads
AS-13011-08	Φ6mm Metal beads
AS-13011-09	Φ0.2mm Glass beads
AS-13011-10	Φ0.5mm Glass beads
AS-13011-12	Φ3.0mm Glass beads
AS-13011-13	Φ1.4mm Metal beads



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