

Bioprep-6 Homogenizer



Feature:

Fast, effective and reproducible homogenization of a wide range of samples, including tissues and cells hard to lyse. They also own extraordinary power for the processing of even impact resistant samples such as bones or cartilage. The Bioprep-6 and Bioprep-24 are ideal solutions for releasing DNA, RNA, Proteins, Enzymes, etc. from very tough samples while still retaining molecular integrity

How to use beads:

1.4mm&2.8mm Ceramic Beads	3mm&6mm Metal Beads	1mm&3mm Glass Beads
Ideal for soft animal, plant or human tissues: <ul style="list-style-type: none"> • brain • liver • skin • leaves • gonad • muscle, etc. 	Ideal for any hard tissue types: <ul style="list-style-type: none"> • hair • teeth • bones • seeds • corn • rice • nail, etc 	Ideal for microorganisms Optimal for: <ul style="list-style-type: none"> • spores • fungi • yeast • e-coli, etc.

We will offer the Lysing Kits which are available with Plastic or Stainless Steel pre-filled sample tubes in future.

Holder and Adapter

Holder for 6*2.0ml and for 2*5.0ml FOR Bioprep-6

Highlights

1. 3D Rotating High Speed Motion;± for quick disruption of those fibrous tissues and resistant cells
2. A wide range of rotation speed settings from 4 to 7 m/s
3. Brushless motor realizing no brush particle generation
4. Easy to remove sample tube holder and fix sample tubes
5. Easy to monitor the disruption process through the clear lid
6. Simultaneously homogenization:

Bioprep-6 6*2ml tubes or 2*5ml tubes

Bioprep-24 24*2ml tubes or 12*5ml tubes

7. Disposable tubes ensure no threat of cross-contamination or sample degradation

8. The Bioprep-6 and Bioprep-24 vigorously and uniformly shakes the tubes providing an efficient, consistent, high-yield and quality homogenization usually in 35s or less

Typical Samples:

- Animal, Plant, Human cells;
- Micro-organisms;
- Drugs, polymers, lotions, etc.
- Soil and sediments;
- Swabs and feces
- Bone, brain, tumors
- Bacterial gram + or –
- Yeast, fungi, spores
- Seeds, roots
- Feces, swabs

Applications:

Any researcher who requires genomic DNA, RNA or recombinant protein as a starting material will benefit from the unit system.

- Northern blot analysis, qPCR and microarrays
- Optimization of recombinant protein expression
- Library synthesis and Southern blots
- Pathogen screening of soil or water
- RT-PCR and differential display
- Environmental surveys
- Verification of food safety

Bioprep-6 homogenizer

1. Built upon the innovative design and designed for personal use
2. Broad performance range — speed settings from 4 to 7 m/s
3. Small footprint — requires minimal bench space
4. Holds 6×0.5ml/1.5ml/2ml or 2x5ml tubes
5. Patent design for the damping institutions and hold ultra quiet operation, even at the highest speed running

Grinding tubes

1. Bioprep-6: Simultaneous processing 6*2ml/1.5ml/0.5ml tubes or 2*5ml tubes
2. Bioprep-24: Simultaneous processing 24*2ml/1.5ml/0.5ml tubes or 12*5ml tubes
3. The grinding tubes must be with high toughness and low temperature resistance

Specification:

Type	Bioprep-6
Display	LCD
Speed Range(m/s)	4.00m/s~7.00m/s increment 0.05m/s
Speed Range (rpm)	2500rpm — 4350rpm, increment 10rpm
Cycle Duration	1s — 90s, increment 1s
Pause time	1s — 90s, increment 1s
Cycle	10
Programmable	1
Samples	6x2ml/1.5ml/0.5ml or 2x5ml grinding tube
Acceleration Time	<2s
Deceleration Time	<2s
Noise	<65 db
Power	144W
Dimensions (W _i ÁD _i ÁH)	354*218*206 mm
Weight (kg)	8.9 kg
Power Supply	AC100~240V, 50/60Hz

Accessories:

No.	Code	Description
01	AS-13020-00	Bioprep-6 Homogenizer AC100~240V, 50/60Hz
02	AS-13021-01	Holder for tubes
03	AS-13021-02	Adapter for 3×2.0ml
04	AS-13021-03	Adapter for 5.0ml
05	AS-13021-04	DC24V, 6A Adapter
06	AS-13011-03	2.0ml Grinding tube
07	AS-13011-04	5.0ml Grinding tube
08	AS-13011-05	Ø1.4mm Ceramic beads
09	AS-13011-06	Ø2.8mm Ceramic beads
10	AS-13011-07	Ø3mm Metal beads
11	AS-13011-08	Ø6mm Metal beads
12	AS-13011-09	Ø1mm Glass beads
13	AS-13011-10	Ø3mm Glass beads