



Homogenizer

LIFE SCIENCE

Alpinum Prazision Austria GmbH & Co. KG

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– Life Science –

CarnisBioprep-6/CarnisBioprep-24 Homogenizer

Description

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 CarnisBioprep-6 and Bioprep-24 are ideal solutions for releasing DNA, RNA, Proteins, Enzymes, etc. from very tough samples while still retaining molecular integrity

Features

■ 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:
 - CarnisBioprep-6 6*2ml tubes or 2*5ml tubes
 - CarnisBioprep-24 24*2ml tubes or 12*5ml tubes
 - . Disposable tubes ensure no threat of cross-contamination or sample degradation
 - . The CarnisBioprep-6 and CarnisBioprep-24 vigorously and uniformly shakes the tubes providing an efficient, consistent, high- yield and quality homogenization usually in 35s or less

■ CarnisBioprep-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 6x0.5ml/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. CarnisBioprep-6: Simultaneous processing 6*2ml/1.5ml/0.5ml tubes or 2*5ml tubes
2. CarnisBioprep-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

Bioprep-6



Bioprep-24



CarnisBioprep-6/CarnisBioprep-24 Homogenizer

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		

01

Holder and Adapter

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



Holder and 2-3*2.0ml Adapter



Holder and 2-5.0ml Adapter



02

Rotor Adapter

Rotor for 24*2.0ml / Rotor for 12*5.0ml
FOR Bioprep-24



24*2.0ml rotor



12*5.0ml rotor

03

Applications:

Any researcher who requires genomic DNA, total 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
- RT-PCR and differential display
- Pathogen screening of soil or water
- Environmental surveys
- Verification of food safety

04

Typical Samples:

1. Bone, brain, tumors
2. Bacteria gram + or -
3. Yeast, fungi, spores
4. Seeds, roots
5. Feces, swabs
6. Soil, sediments



Specification

Type	CarnisBioprep-6	CarnisBioprep-24
Display	LCD	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
Speed Range (rpm)	2500rpm -- 4350rpm, increment 10rpm	2430rpm -- 4260rpm, increment 10rpm
Cycle Duration	1s -- 90s, increment 1s	1s -- 90s, increment 1s
Pause time	1s -- 90s, increment 1s	1s -- 120s, increment 1s
Cycle	10	10
Programmable	1	50
Samples	6 x 2ml/1.5ml/0.5ml or 2 x 5ml grinding tube	24 x 2ml/1.5ml/0.5ml or 12 x 5ml grinding tube
Acceleration Time	<2s	<4s
Deceleration Time	<2s	<4s
Noise	<65 db	<70 db
Power	144W	500W
Dimensions (W×D×H)	354 × 218 × 206 mm	280 × 360 × 385 mm
Weight (kg)	8.9 kg	25.0kg
Power Supply	AC220~240V, 60Hz	AC220~240V, 60Hz

Ordering information

No.	Code	Description
01	AS-13010-00	CarnisBioprep-24 Homogenizer AC220~240V, 60Hz
02	AS-13020-00	CarnisBioprep-6 Homogenizer AC220~240V, 60Hz
03	AS-13011-01	Rotor for 24 x 2.0ml (CarnisBioprep-24)
04	AS-13011-02	Rotor for 6 x 5.0ml (CarnisBioprep-24)--Produced before Dec. 2016
05	AS-13011-30	Rotor for 12 x 5.0ml (CarnisBioprep-24)--Produced after Dec. 2016
06	AS-13021-01	Holder for tubes (CarnisBioprep-6)
07	AS-13021-02	Adapter for 3 x 2.0ml (CarnisBioprep-6)
08	AS-13021-03	Adapter for 5.0ml (CarnisBioprep-6)
09	AS-13021-04	DC24V, 6A Adapter (CarnisBioprep-6)
10	AS-13011-03	2.0ml Grinding tube
11	AS-13011-04	5.0ml Grinding tube
12	AS-13011-05	Φ1.4mm Ceramic beads
13	AS-13011-06	Φ2.8mm Ceramic beads
14	AS-13011-07	Φ3mm Metal beads
15	AS-13011-08	Φ6mm Metal beads
16	AS-13011-09	Φ1mm Glass beads
17	AS-13011-10	Φ3mm Glass beads