



## BIOPREP24R DNA-RNA-Proteins Homogenizer

Temp. Range  
-10°C - 40°C

Download  
Catalogue



Bioprep-24R is your solution for sample preparation and cell lysis. Fast, effective and reproducible homogenization of a wide range of samples, including tissues and cells hard to lyse. It also owns extraordinary power for the processing of even impact resistant samples such as bones or cartilage. The Bioprep-24 is an ideal solution for releasing DNA, RNA, Proteins, Enzymes, etc. from very tough samples while still retaining molecular integrity.

Grind and homogenize a large range of biological samples, compatible with any analysis DNA-RNA Electrophoresis, Liquid Chromatography, Western Blot etc.

Using disposable sample tubes pre-filled with a variety of lysing beads, the Bioprep-24R vigorously and uniformly shakes the tubes providing an efficient, consistent, high-yield and quality homogenization usually in less than 35 seconds.

- “3D Rotating High Speed Motion” for quick disruption of those fibrous tissues and resistant cells
- 50 programmable memory settings and user optional condition settings
- A wide range of rotation speed settings from 4 to 7 m/s, increment 0.05m/s
- Brushless motor realizing no brush particle generation
- Easy to remove sample tube holder and fix sample tubes
- Easy to monitor the disruption process through the clear lid
- Simultaneously homogenize: Bioprep-24 24\*2ml tubes or 12\*5ml tubes
- Disposable tubes ensure no threat of cross-contamination or sample degradation
- 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


### Application:


- 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

 “3D Rotating High Speed Motion”

 50 programmable memory settings

 Brushless motor realizing no brush particle

 Disposable tubes ensure no threat of cross-contamination

 A wide range of rotation speed settings

Item Name	BIOPREP-6	BIOPREP-24	BIOPREP-24R
Display	LCD	OLED	
Speed Range(m/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		
Pause time	1s -- 90s, increment 1s	1s -- 120s, increment 1s	1s -- 90s, increment 1s
Cycle	10		
Programmable	1	50	
Samples	6x2ml/1.5ml/0.5ml or 2x5ml 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	150W
Dimensions (W×D×H)	354×218×206 mm	280×360×385 mm	300×500×360 mm
Weight (kg)	8.9 kg	25.0 kg	40.0 kg
Power Supply	AC100~240V, 50/60Hz		
Temperature Range			-10°C~40°C
From RT. to 0°C			<30min
Temperature uniformity			±2°C
Cooling method			Compressor refrigeration

Please note

If this Homogenizer does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

## COLO LabExperts



Laboratory Equipment production and Distribution

www.colo.si

Presernov Trg 9, 8000 Novo Mesto, Slovenia

tel. +386 590 48 880 E-mail: office@colo.si

[www.colo.si](http://www.colo.si)

© 2021 COLO Distributors Price List V1