

NeoSamplePrep24 - Homogenizer for 1~24 samples

NB-12-0004

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NeoSamplePrep series biological sample homogenizer is a fast homogenizer that integrates three functions of grinding, lysis and homogenization. It achieves the purpose of grinding, lysis and homogenization the sample through three-dimensional high-speed vibration and beating of grinding beads (glass beads, ceramic beads, steel balls, etc.). Fast, effective and reproducible homogenization of a wide range of samples, including tissues and cells hard to lyse.

NeoSamplePrep24 is your solution for sample preparation and cell lysis. The reliable, fast and high-throughput homogenizer to extract DNA, RNA or proteins from animals, human and plant tissues, microorganisms, spores, bones, etc.



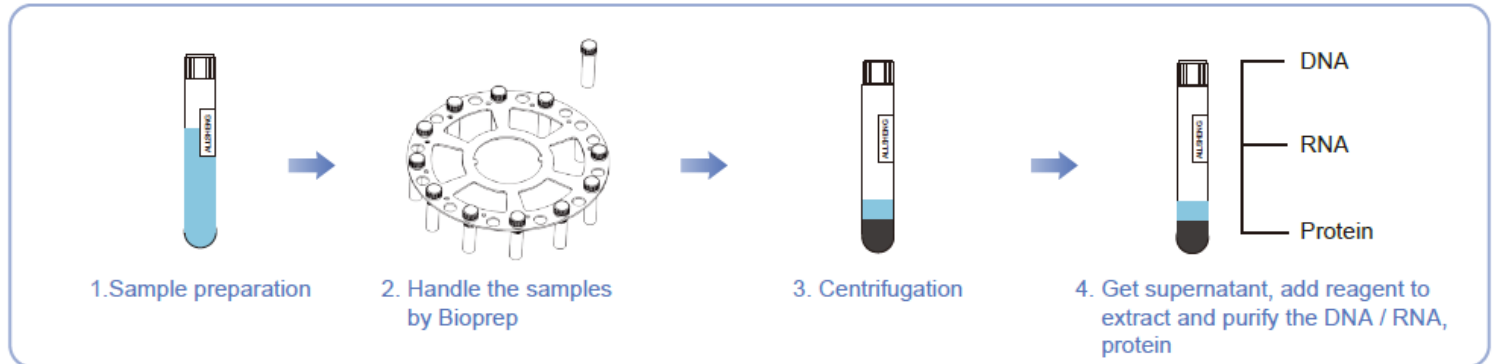
FEATURES

- Available to lyse most of biological samples and preserve the integrity of biomolecule (DNA, RNA and protein) and pharmaceutical molecule Process 24 samples at the same time within 35 seconds
- Choose different programs and grinding beads according to different samples
- Accurate setting of lysis time and speed, total 50 programs can be saved. Reduce the inter-batch and intra-batch differences
- Disposable tubes ensure no cross-contamination or sample degradation
- 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
- Multiple material and diameter beads for the choice of different type of samples

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OPERATION PROCEDURE



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 grinding work for get a better effect.

TECHNICAL SPECIFICATIONS

PERFORMANCE

Display	OLED
Speed range (m/s)	4.00 m/s~7.00 m/s increment 0.05 m/s
Speed range (rpm)	2430 rpm--4260 rpm, increment 10 rpm
Cycle duration	1 s -- 90 s, increment 1 s
Pause time	1 s -- 120 s, increment 1 s
Cycle	10
Programmable	50
Samples	24×2 mL/1.5 mL, 12×5 mL grinding tube
Acceleration time	<4 s
Deceleration time	<4 s
Noise	<70 db
Wearing part	No
Adapter	Rotor for 2 ml×24 (standard) or rotor for 5 ml×12 (optional)
Power	500 W
Dimension (W×D×H)	280×360×385 mm
Weight (kg)	25.0 kg
Power supply	AC100~240 V, 50/60 Hz

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NeoSamplePrep24 Rotor Adpater



24×2.0 mL rotor



12×5.0 mL rotor

Code	Description
NB-12-0004	NeoSamplePrep24 homogenizer AC100~240 V, 50/60 Hz
NB-12-0004-02	Rotor for 24x2.0 ml (NeoSamplePrep24)
NB-12-0004-16	Rotor for 12x5.0 ml (NeoSamplePrep24)
NB-12-0004-11	2.0 ml grinding tube
NB-12-0004-12	5.0 ml grinding tube
NB-12-0004-13	Φ1.4 mm ceramic beads
NB-12-0004-14	Φ2.8 mm ceramic beads
NB-12-0004-15	Φ3 mm metal beads
NB-12-0004-08	Φ6 mm metal beads
NB-12-0004-09	Φ0.2 mm glass beads
NB-12-0004-10	Φ0.5 mm glass beads
NB-12-0004-03	Φ1.0 mm glass beads
NB-12-0004-04	Φ3.0 mm glass beads
NB-12-0004-05	Φ1.4 mm metal beads
NB-12-0004-21	Φ4.0 mm metal beads