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User manual

I: Product brief

JOANLAB3D shaker adopts international advanced design concept and manufacturing technology, and the shape is smooth beautiful, compact and firm structure, high versatility, easy operability and other advantages, for scientific research a rare instrument for experiments. Mixing operations for multiple applications of this shaker, including: Gel staining/destaining, sample washing, antibody staining, hybridization, immunoprecipitation, blotting, egg white matter imprinting can be achieved with a small amount of solvent through efficient three-dimensional circular mixing.

The requirements for the full mixing of products; it is the subject of biology, microorganisms, genetics, viruses, environmental protection, medicine, etc. Indispensable laboratory equipment for the preparation of precision training in research, education and production sectors.

II: Product overview



III: Product introduction



IV: Product data

Model	SK-3D
Product name	3D Oscillator Shaker
Product Image	
Type	3D oscillating
Display	LCD
Tilt angle	10°
Max load	0.8 kg
Speed range	10 - 80 rpm
Time range	1min - 8h
Power	10 W
Voltage	100 - 240 V
Weight	2.8 kg
Dimensions	184*184*130 mm

V: Correct usage

/// Basic usage

Application

> Mixed operations for multiple applications including: gel staining/destaining, sample washing, antibody staining, hybridization, immunoprecipitation, blotting, western blotting. Through efficient three-dimensional circular rotary mixing, a small amount of solvent can be used to achieve full sample mixing requirements.

Usage

> Widely used in experiments in universities, environmental protection, sanitation, epidemic prevention, chemical industry, tap water, medical treatment and other units; it is used for precision cultivation and preparation in scientific research, education and production departments of plants, biology, microorganisms, genetics, viruses, environmental protection, medicine, etc. Indispensable laboratory equipment.

Steps for usage

- > Assemble the 3D tray and the silicone tray
- > Plug in
- > Press the MENU button to select the speed and time, and use the up and down buttons to adjust the parameters
- > Press START/STOP to start/stop

⚠ Instrument using environment

- > Indoor use
- > Altitude: ≤2000m
- > The working temperature range of the instrument is +5℃~+40℃
- > The applicable temperature range of the instrument is ≤80%
- > There is no vibration and airflow that affect performance around

⚠ Safety Precautions

- > It is strictly forbidden to unplug and plug the power connector and toggle the power button when the hands are wet with liquid!
- > It is strictly forbidden to unplug the power plug when the instrument is live!
- > It is strictly forbidden to maintain and clean the instrument when it is powered on!
- > It is strictly forbidden to install the instrument on an uneven, swaying and vibrating work surface!

Delivery list

>3D shaker host > 3D tray > Silicone disc > User's manual



Product conformity certificate

Product Name : 3D oscillator shaker

Model number : ☒ SK-3D

Production date : _____

Manufacturer : JOAN LAB EQUIPMENT(ZHEJIANG) CO.,LTD