

# Operating Instructions



## **DPC2000** **Centrifuge for deep-well plate**

Designation



### Safety Instructions

- **Read the operating instructions in full before starting up and follow the safety instructions.**
- Keep the operating instructions in a place where they can be accessed by everyone.
- Ensure that only trained staff work with the appliance.
- Follow the safety instructions, guidelines, occupational health and safety, and accident prevention regulations.
- The voltage stated on the nameplate must correspond to the mains voltage.
- The device must only be operated with the original plug-in power supply unit.
- Wear your personal protective equipment in accordance with the hazard category of the medium to be processed. Otherwise, there is a risk of:
  - splashing liquids.
  - projectile parts.
  - body parts, hair, clothing, and jewelry getting caught.
- Set up the appliance in a spacious area on an even, stable; clean, non-slip, dry, and fireproof surface.
- The feet of the appliance must be clean and undamaged.
- If the centrifuge movement of the appliance increases (resonance), reduce the speed or pass through the critical phase as quickly as possible.
- Reduce the speed if
  - the medium splashes out of the vessel because the speed is too high.
  - the appliance is not running smoothly.
  - the appliance begins to move around because of dynamic forces.
- Rotor must be fastened on the motor shaft tightly, Ensure that the rotor locking screw is tightened, especially after changing rotors.
- Check the appliance and accessories beforehand for damage each time you use them, Do not use damaged components.
- Never touch the rotor until it comes to a complete stop.

## Deep Well Plate Centrifuge

- Do not move the centrifuge while it is running.
- Beware of the risk of
  - flammable materials.
  - glass breakage as a result of mechanical shaking power.
- Only process media that will not react dangerously to the extra energy produced through processing. This also applies to any extra energy produced in other ways, e.g. through light irradiation.
- Do not operate the appliance in explosive atmospheres, with hazardous substances, or underwater.
- Safe operation is only guaranteed with the accessories described in the "Accessories" chapter.
- Always disconnect the plug before fitting accessories.
- The appliance does not start up again automatically following a cut in the power supply.
- Protect the appliance and accessories from bumps and impacts.
- The appliance may heat up when in use.
- The appliance may only be opened by experts





### **!!Warning!!**

Each time, when putting test tubes into the rotor, must maintain the tube's symmetrical balance. The centrifuge would automatically open the function of vibration protection and stop working if without balance.

# Deep Well Plate Centrifuge

## Package

- Please unpack the device carefully.
- In the case of any damage a fact report must be set immediately (post, rail or forwarder).
- A complete set of device includes the following accessories.

Model	Description	Remark
	Widely used in clinical labs and blood donation centers	
	for 4x96 well plate or 2 deep-well plate	
	AC100~240V, 50~60Hz	
	Operating Instructions	

### Operating

1. Plug in the power cable on the socket at the back of the instrument, then connect the power supply.
2. Press the "**Open**" button to open the lid.
3. Insert the liquid-filled test tubes into the rotor symmetrically.
4. Close the lid and press down by hand till "**Click**" is heard, make sure the lid is well locked.
5. Press the "▲▼" button to get the target speed and time.
6. After setting the speed and time, press the "**Start/Stop**" button to start the instrument.
7. Lid automatically opens at the end of working.
8. Opening the lid and taking out test tubes.

### Maintenance

**The appliance is maintenance-free.**

#### Cleaning

Dyes: isopropyl alcohol.

Construction materials: water containing tenside/isopropyl alcohol.

Cosmetics: water containing tenside/isopropyl alcohol.

Foodstuffs: water containing tenside.

Fuels: water containing tenside.

- Do not allow moisture to get into the appliance when cleaning.
- Wear protective gloves during cleaning the devices.
- Before using another than the recommended method for cleaning or decontamination, the user must ascertain with the manufacturer that this method does not destroy the instrument.

#### Repair

In case of repair, the device has to be cleaned and free from any materials which may constitute a health hazard.

If you require servicing, return the appliance in its original packaging. Storage packaging is not sufficient. Please also use suitable transport packaging.

### Warranty

In accordance with manufacturer warranty conditions, the warranty period is 12 months. For claims under the warranty please contact your local dealer. You may also send the machine directly to our works, enclosing the delivery invoice and giving reasons for the claim. You will be liable for freight costs.

The warranty does not cover wearing parts, nor does it apply to faults resulting from improper use or insufficient care and maintenance contrary to the instructions in this operating manual.

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