



MediCapital Rent

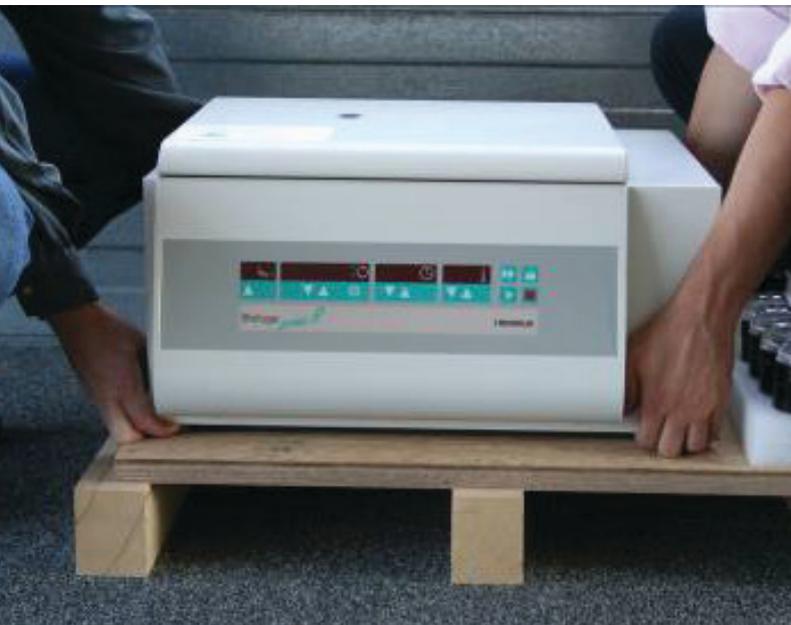
Your reliable partner in clinical research

**Packing
Instructions
Heraeus Primo R**

Transport and installation

When transporting the centrifuge, consider its weight (see Technical Data);

Always grab it on both sides taking care that enough helpers are around. Do not lift a loaded crate by wooden handles.



Avoid damage to the centrifuge by jolting during transport and sudden dropping. Transport the centrifuge only in the upright position using the special wooden box provided with the instrument.

Secure the box properly. Place the centrifuge carefully.

Unpacking the centrifuge

Unpack the centrifuge by unscrewing the butterfly rack-ets on both sides of the wooden box. Lift the lid.

Do not lift the centrifuge by the front panel! Place the machine on a stable and resonance-free substructure.



Properties

The Biofuge PrimoR is a laboratory centrifuge for use with a variety of rotors and large number of commercially available centrifuge tubes. This centrifuge is provided with the 7591 swing-out rotor with 4 round buckets.

Because of the chance of damage, the PrimoR centrifuge is never to be shipped with the rotor mounted inside.



Items delivered with the centrifuge

- » cap nut
- » tubular socket wrench¹
- » swing-out rotor
- » 4 buckets (incl. adapters² and caps)
- » power cord
- » manufacturer's instructions for use
- » operating instructions sheet
- » proof of delivery form
- » MediCapital Rent packing and unpacking instructions (this booklet)
- » lubrication grease



Packing Instructions - Heraeus Primo R

Read the manufacturer's instructions manual carefully, and fill in the Proof of Delivery. Send the proof of delivery back to MediCapital Rent by post, fax or email (as indicated on the document itself).

Unpack the power cord and socket wrench.

Make sure the main switch of the machine is in the OFF ("O") position before you connect the power cord on the back of the centrifuge. Open the lid by pressing the "open" button (to be found on the top right-hand corner of the front panel of the unit.).



Mounting the rotor and buckets

Centrifuges can be potentially dangerous. Therefore it is vital that they are properly maintained and used correctly.

Prior to the initial run the machine needs to stand, switched off, on its dedicated place for at least 24 hours.

Always run with a full compliment of buckets. Failure to do so can distort the rotor.

Ensure the rotor and all lids are tightened correctly before use.

Only use accessories intended for use in your particular centrifuge, as recommended by your centrifuge supplier.

Accessories and samples need to be in balance (i.e. symmetrically arranged).

Samples should be diametrically distributed evenly around the buckets.



Placing the rotor

1. Unscrew the cap nut
2. Insert the rotor
3. Screw the cap nut and secure with wrench

Packing the centrifuge

1. Remove all buckets
2. Make sure the buckets are clean
3. Put the buckets back in the white foam in the original transport crate
4. Unscrew the cap nut and remove the rotor
5. Put the rotor back in spare hole in the white foam in the crate
6. Make sure that the rotor chamber and the rotor are clean
7. Screw the nut cap back on the drive shaft
8. Close the lid of the centrifuge
9. Turn the centrifuge main switch off, and unplug the power cord
10. Pack the power cord and the socket wrench in their original small packing box
11. Put all these supplies with manuals next to the centrifuge in the crate
12. Close the crate by putting the lid back on top and closing the butterfly brackets on both sides. Make sure they locked properly



Good centrifuge practice

High strength aluminium corrodes easily, to prevent this, remove adaptors and keep buckets clean and dry at all times.

Clean the aluminium buckets only in a neutral ph cleaner. Do not use strong alkalis, acids or chlorine.

Condensation build-up in a centrifuge bowl will damage the motor and buckets. Allow it to evaporate by leaving the lid open at night with power switched off and/or dry with a paper towel.

Centrifuge Bucket Cleaning Guidelines

It is important that centrifuge buckets are kept clean and dry at all times to stop corrosion developing and to ensure that they remain in safe working condition.

Once a month or at times of sample spillage this cleaning procedure should be followed:

Remove all cushions and or tube adaptors from buckets.

Wash buckets and adaptors in warm water with a mild hand washable detergent. Do not use soaps or detergents which contain strong alkalis or acids.

Do not under any circumstances scratch the protective anodised surface of the bucket. Light use of a plastic scouring pad is acceptable in extreme cases.

When all parts have been washed, rinse in clean water and allow to dry completely.

Only reassemble once completely dry as moisture trapped between adaptor and bucket will cause corrosion.

In some circumstances it may be necessary to coat the buckets in corrosion resistant oil after washing.

Remember

Do not scratch the anodised surface of the buckets.

Do not leave buckets to soak for any length of time in cleaning or disinfecting products (i.e. overnight).

The most common cause of corrosion is liquid/sample caught between adaptor and bucket and overnight soaking in cleaning products.

Preventive-maintenance

The machine is totally maintenance free, as also to be read in the manual.

Calibration

Each time the machine is switched on, an auto-calibration program is performed. Had the results of the test routine been substandard, the machine would give an error signal. **No further calibration is needed.**

However if electro technical tests on-site are required, we allow the local hospital technicians to include the unit in their yearly check-up routine.

If further technical assistance is required, please contact our main distribution office.

