

A close-up photograph of a centrifuge rotor assembly. The rotor is black with several grey caps. In the foreground, a black cylindrical component is labeled '1' and 'ortoalresa Ns 220759/05'. To the right, several stainless steel tubes are arranged in a row, each engraved with 'ortoalresa Ns 220607/02'. The background shows a white centrifuge bucket containing several red-tipped tubes.

# orto alresa

About centrifugation

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Special applications | PLASMA 22



## PLASMA 22



The plasma concentration processes to obtain from fibrin clot to platelets by means of PRP (platelet-rich plasma) techniques, PRF (platelet-rich fibrin) and derivatives, make the Plasma 22 centrifuge indispensable. The simplicity of these processes erroneously gives the impression that the performance of the technique is not affected by the centrifugation process. Nothing could be more wrong; maximum performance will only be obtained with equipment that has been validated, and for which the operational parameters, beyond RPM, RCF and time, have been calculated for these processes. The Plasma 22 centrifuge has been developed together with experts in the development of these techniques and has approval for its development.

It maintains the cell structure of the phases for the application of each of the alternatives, ensuring its efficacy in the destination environment and avoiding interference of particles that impede adhesion.

### Features

LCD screen:

- Shows RPM and RCF, time and acceleration/deceleration (PCBS).
- Speed programming in 10 RPM/ 10 xg steps.
- Count up/down from "0" or at "set RPM/RCF" for reproducible tests.
- Timer: from 5 sec. to 99 minutes or from 1 min. to 99 hours and indefinite time.
- PCBS: Progressive controlled braking system up to 175 selectable ramps that prevents sample homogenization after separation.
- 16 programmable memories.
- Several acoustic and visual messages showing the situation of the device to the user.

### Easy to use

- Microprocessor controlled.
- Induction motor maintenance free (brushless).
- Rotors list in memory.
- Noise level: below 60 dB.
- Start, stop, open lid and short spin with adjustable speed buttons.
- Possibility to block or modify the speed during the cycle.
- Automatic lid opening, programable.
- Last values remain in memory.
- Automatic rotor recognition. Over-speed protection.



Max. Capacity  
8 x 9/15 ml



Max. Speed  
1.288 xg / 3.000 RPM



Screen Type  
LCD



Version  
Ventilated



EU Directives: 2011/65/EU, 2012/19/EU, 2014/30/EU, 2014/35/EU.

Standards: EN 61010-1, EN 61010-2-020, EN 61010-2-101, EN 61326-2-6, EN 61326-1.

### Safety

- Lid provided with security systems:
  - Automatic lid lock system, motorized
  - Emergency lid-lock release.
  - Locking and protection against opening along the run.
  - Lid dropping protection.
  - Port in the lid for calibration and operation checking.
- Unbalance detection and switch off.
- Protection safety ring between the centrifugation chamber and the housing.
- Chamber of centrifugation in stainless steel (easy cleaning).
- Rotors and adapters autoclavable, easy to install by the user.
- Automatic disconnection for energy saving up to 8 h., with deactivation option.

### Versions

|        | Dimensions<br>(mm) (w x d x h) |     |     | Net Weight<br>(Kg) | Voltage<br>(V) | Frequency<br>(Hz) | Consumption<br>(W) |
|--------|--------------------------------|-----|-----|--------------------|----------------|-------------------|--------------------|
| CE 156 | 270                            | 400 | 270 | 19                 | 220-240        | 50-60             | 120                |
| CE 165 | 270                            | 400 | 270 | 19                 | 110-120        | 50-60             | 120                |

\*IVD version available, please indicate it in your request

### Accessories

RT 237



| ROTOR         |  | SWING OUT    |
|---------------|--|--------------|
| Max. capacity |  | 8 x 9/15 ml. |
| RPM Max.      |  | 3.000        |
| Radius (mm)   |  | 128          |
| RCF Max. (xg) |  | 1.288        |

| SAMPLE VOLUME        | Dim (mm) approx. | ADAPTERS |        |
|----------------------|------------------|----------|--------|
|                      |                  | Tubes    | Ref.   |
| 9/15 ml              | 16x107           | 8        | -      |
| 5 ml blood sample    | 13x82            | 8        | RE 474 |
| 7/10 ml blood sample | 13x107           | 8        | RE 620 |





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