



Special applications: Centrifuges life sciences

CYTOCENTRIFUGE

SPHERA GROUP s.r.o.
info@sphera-group.cz
Tel: +420 226 886 248
Průmyslová 7 Business Park
102 00 Praha, Czech Republic

CYTOCENTRIFUGE

LCD

PCBS



CE

Max. capacity: 12 x 6 ml.

Max. speed: 866 xg / 2.500 RPM

The cytocentrifuge Ortoalresa is designed for concentration of biological samples on a visible surface for the microscope and its subsequent identification and characterisation.

Easy to handle, reduces the handling time, indispensable features in oncology, cytology and microbiology services. It has a swing out rotor for 4 supports, with two positions for recovery of the filtrate for a second processing in the case of low concentration samples. It can adapt rotors for tubes or plates of the Digicen 21 centrifuge.

Features

- Sealed holders which prevent the leak of the sample, easy to use.
- Fast identification of microorganism.
- Allows cells detection even in low concentrated liquids.
- Processing time <15 min.
- Alarm to prevent the drying of the samples every 20 seconds.
- Available rotors for tubes (check Digicen 21 accessories, pag. 44)

LCD screen:

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

Easy to use

- Microprocessor controlled.
- Induction motor maintenance free (brushless).
- Rotors list on memory.
- Noise level: below 60 dB.
- Start, stop, open lid and short spin with adjustable speed buttons.
- Option of free/locked adjustment of RPM/ RCF along the run.
- Automatic open lid, programable.
- Last values remain in memory.
- Automatic rotor recognition. Over-speed protection.

Safety



- Lid provided with security systems:
 - Automatic lid lock system, motorized with double lock.
 - 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.
- Forced ventilation to reduce temperature increasing.
- Automatic disconnection for energy saving up to 8 h., with deactivation option.

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.

| Versions | Dimensions (mm)(w x d x h) | | | Net weight (Kg) | Voltage (V) | Frecuency (Hz) | Consumption (W) |
|----------|-------------------------------|-----|-----|--------------------|----------------|-------------------|--------------------|
| CE 254 | 410 | 530 | 320 | 36 | 220-230 | 50-60 | 440 |
| CE 255 | 410 | 530 | 320 | 36 | 110-120 | 50-60 | 420 |

Accessories

| | RT 207 | RT 313 |
|-----------------------|---|---|
| |  |  |
| ROTOR | SWING OUT | ANGLE FIXED |
| Max. capacity | 4 | 12 |
| RPM Max. | 2.500 | 2.500 |
| Radius (mm) | 124 | 86,9 |
| RCF Max. (xg) | 866 | 607 |
| Cytocontainers* | 4 x 2,2 ml | - |
| EZ Single Cytofunnel™ | - | 12 x 0,1-0,5 ml |
| EZ Megafunnel™ | - | 12 x up to 6 ml |
| Cyto-Clips™ | - | 12 |

*Surface on slide: 6,2 mm or 8,7 mm diameter



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