

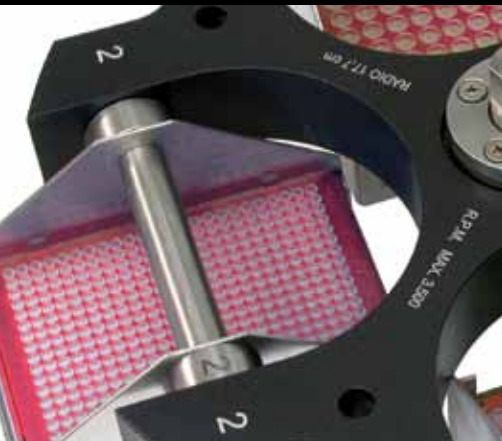
# orto alresa

Centrifuges and laboratory products

[info@ortoalresa.com](mailto:info@ortoalresa.com)

[www.ortoalresa.com](http://www.ortoalresa.com)

+34 91 884 40 16



General applications: Centrifuges: Small

## MICROCEN 23

# MICROCEN 23



Centrifuges: Small: Microcen 23

IVD CE

Why a small centrifuge must not be provided of mandatory standards about safety?

The centrifuge **Microcen 23** is a compact and practical device which meets the essential requirements that demand a reliable result in a short space of time.

Operator can choose three different rotors for 8x15 ml., 10x15 ml. and 12x5 ml., reaching 8.000 RPM/6.511 xg.

It's provided of safety systems essentials for a safety processing, with brushless engine maintenance free, unbalance switch off, chamber in stainless steel, lid lock motorized...

Ideal for run a reduced number of samples, it's undoubtedly the most appropriated choice for emergency labs, due to its reduce the time on sample preparation.

**Simplifies sample preparation.**

## User friendliness

- LED screen shown RPM/RCF (on steps of 100 RPM/10 xg) and time.
- Intuitive handling through start, stops, short spin and play keys.
- Rotor list on memory.
- Timer count up/down, from 0 or at "set RPM/RCF" for test reproducibility.
- Short spin key with speed adjustable.
- Acceleration and deceleration control in 2 steps.
- Automatic open lid.
- Last values remain on memory.
- Lid latch lock.
- Microprocessor controlled.
- Option: free or locked adjustment of RPM/RCF along the run.

## Features

- Induction motor maintenance free
- Max. capacity: 10 x 15 ml.
- Speed up to 6.511 xg/8.000 RPM.
- Quiet: noise level < 60 dB.

## Safety

- Lid locking and holding as well as lid dropping protection.
- Imbalance switch off.
- Manual overriding.
- Chamber of centrifugation in stainless steel.
- Viewing and calibration port in the lid.

- Several messages keep the operator informed about the device situation.
- Guard ring between the chamber of centrifugation and the housing.
- Forced ventilation which reduces the temperature increase.

**EU Directives:** 98/79/EC, 2006/95/EC, 2004/108/EC, 2011/65/EU, 2012/19/EU  
**Standards:** EN 61010-1, EN 61010-2-020, EN 61326-1.

## Versions

| Code   | Dimensions (mm)<br>( w x d x h ) |     |     | Net weight<br>(Kg) | Voltage<br>(V) | Frecuency<br>(Hz) | Consumption<br>(W) |
|--------|----------------------------------|-----|-----|--------------------|----------------|-------------------|--------------------|
| CE 180 | 276                              | 390 | 272 | 17                 | 220-240        | 50-60             | 140                |
| CE 181 | 276                              | 390 | 272 | 17                 | 110-120        | 50-60             | 140                |

## Accessories

RT 246



RT 247



RT 248



| ROTOR                |                    | ANGLE FIXED<br>30 °    |        | ANGLE FIXED<br>30 °    |   | ANGLE FIXED<br>30 °    |        |
|----------------------|--------------------|------------------------|--------|------------------------|---|------------------------|--------|
| Max. capacity        |                    | 8x15 ml.               |        | 12x5 ml.               |   | 10x15 ml.              |        |
| RPM                  |                    | 8.000                  |        | 8.000                  |   | 8.000                  |        |
| Radius (mm)          |                    | 91                     |        | 72                     |   | 89                     |        |
| RCF Max. (xg)        |                    | 6.511                  |        | 5.152                  |   | 6.368                  |        |
| Braking time (s)     |                    | 15                     |        | 15                     |   | 15                     |        |
| SAMPLE VOLUME        | Dim (mm)<br>approx | ADAPTERS<br>Tubes Ref. |        | ADAPTERS<br>Tubes Ref. |   | ADAPTERS<br>Tubes Ref. |        |
| 15 ml                | Ø 16x100           | 8                      | -      | -                      | - | 10                     | -      |
| 15 ml conical        | Ø 17x122           | 8                      | RE 459 | -                      | - | -                      | -      |
| 10 ml blood sample   | Ø 16x107           | 8                      | RE 371 | -                      | - | 10                     | -      |
| 10 ml                | Ø 13x100           | 8                      | RE 371 | -                      | - | 10                     | RE 470 |
| 7/10 ml blood sample | Ø 13x107           | 8                      | RE 371 | -                      | - | 10                     | RE 470 |
| 5 ml                 | Ø 13x75            | 8                      | RE 377 | 12                     | - | 10                     | RE 471 |
| 5 ml blood sample    | Ø 13x82            | 8                      | RE 377 | 12                     | - | 10                     | RE 471 |

**orto**  
alresa  
About centrifugation

[info@ortoalresa.com](mailto:info@ortoalresa.com)

[www.ortoalresa.com](http://www.ortoalresa.com)

Tel.: +34 91 884 40 16

**Álvarez Redondo S.A.**  
C/ Misericordia, 23.  
Fax: + 34 91 884 44 23  
28864 AJALVIR Madrid (Spain)  
Edition: january 2014

