

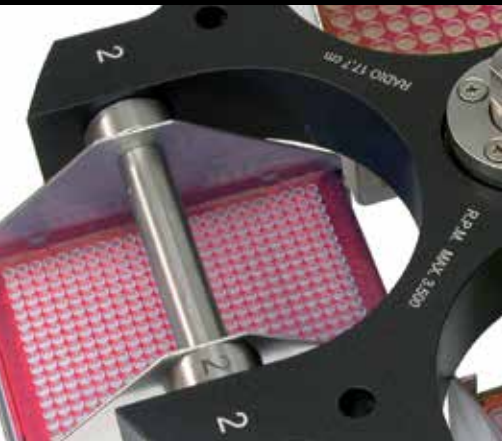
orto alresa

Centrifuges and laboratory products

info@ortoalresa.com

www.ortoalresa.com

Tel.: +34 91 884 40 16



General applications: Centrifuges: Universal

UNICEN 21

UNICEN 21



Centrifuges: Universal: Unicen 21

IVD CE

Universal, compact, versatile and quiet, are concepts which define the **Unicen 21**. Essential on demanding labs which need a reliable result on a short time, without scarifying the number of samples.

Max capacity 4 tubes of 100 ml, reach up to 4.200 RPM/ 2.899 xg, with 9 interchangeable rotors and up to 40 set of different adapters, covering the basical requirement on separation of clinics, industries, research centers, ...

Speed and time are shown on digital displays easily readable, and lid can be open automatically at the end of the run, allowing to the operator a higher autonomy on routine process.

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.

Simplifying separation.

User friendliness

- LED screen shown RPM/RCF (on steps 100 RPM/10xg) 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 braking selectable by operator
- 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 4 x 100 ml.
- Speed, up to 4.200 RPM / 2.899 xg.
- Quiet: noise level < 60 dB.

Safety

- Lid locking and holding.
- 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.
- Lid dropping protection.

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)(w x d x h) | | | Net weight (Kg) | Voltage (V) | Frecuency (Hz) | Consumption (W) |
|--------|-------------------------------|-----|-----|--------------------|----------------|-------------------|--------------------|
| CE 126 | 410 | 530 | 320 | 36 | 220-240 | 50-60 | 200 |
| CE 127 | 410 | 530 | 320 | 36 | 110-120 | 50-60 | 200 |

Accessories

Centrifuges Unicen 21

| | |  |  |  |  |  |  | | | | | | |
|------------------------|---------------------|---|---|---|---|---|---|----------|--------|----------|--------|----------|--------|
| | | RT 177 | RT 260 | RT 175 | RT 173 | RT 226 | RT 163 | | | | | | |
| | | SWING OUT | SWING OUT | SWING OUT | SWING OUT | ANGLE FIXED 30 ° | ANGLE FIXED 35 ° | | | | | | |
| Max. capacity | | 8 x 15 ml. | 28 x 15 ml. | 4 x 50 ml. | 4 x 100 ml. | 8 x 15 ml. | 24 x 15 ml. | | | | | | |
| RPM | | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | | | | | | |
| Radius(mm) | | 145 | 147 | 145 | 147 | 91 | 132/114 | | | | | | |
| RCF Max. (xg) | | 2.860 | 2.899 | 2.860 | 2.899 | 1.795 | 2.603/2.248 | | | | | | |
| SAMPLE VOLUME | Dim (mm) approx. | ADAPTERS | | ADAPTERS | | ADAPTERS | | ADAPTERS | | ADAPTERS | | ADAPTERS | |
| | | Tubes | Ref. | Tubes | Ref. | Tubes | Ref. | Tubes | Ref. | Tubes | Ref. | Tubes | Ref. |
| 100 ml. | ø48 x 100 | - | - | - | - | - | - | 4 | RE 446 | - | - | - | - |
| 80 ml. | ø44 x 100 | - | - | - | - | - | - | 4 | RE 338 | - | - | - | - |
| 50 ml. | ø34 x 100 | - | - | - | - | 4 | RE 445 | 4 | RE 335 | - | - | - | - |
| 50 ml. conical | ø29 x 117 | - | - | - | - | 4 | RE 342 | 4 | RE 341 | - | - | - | - |
| 30 ml. | ø25 x 98 | - | - | - | - | 4 | RE 333 | 4 | RE 332 | - | - | - | - |
| 15 ml. | ø16 x 100 | 8 | - | 28 | - | 4 | RE 329 | 16 | RE 316 | 8 | - | 24 | - |
| 15 ml. conical | ø17 x 122 | 8 | - | - | - | 4 | RE 329 | 4 | RE 339 | 8 | - | 12 | - |
| 10 ml. | ø13 x 100 | 8 | RE 371 | 28 | RE 516 | 12 | RE 313 | 20 | RE 320 | 8 | RE 371 | 24 | RE 385 |
| 10 ml. blood sample | ø16 x 107 | 8 | - | 28 | - | 4 | RE 329 | 16 | RE 316 | 8 | - | 24 | - |
| 7/10 ml. blood sample | ø13 x 107 | 8 | RE 371 | 28 | RE 516 | 4 | RE 337 | 20 | RE 320 | 8 | RE 371 | 24 | RE 385 |
| 5 ml. | ø13 x 75 | 8 | RE 377 | 28 | RE 512 | 12 | RE 313 | 20 | RE 320 | 8 | RE 377 | 24 | RE 306 |
| 5 ml. blood sample | ø13 x 82 | 8 | RE 377 | 28 | RE 512 | 4 | RE 337 | 20 | RE 320 | 8 | RE 377 | 24 | RE 306 |
| Microtubes 1,5-2 ml. | ø11 x 42 | - | - | - | - | 12 | RE 463 | 20 | RE 408 | 8 | RE 513 | - | - |
| Microtubes 0,5-0,6 ml. | ø8 x 30 | - | - | - | - | 12 | RE 531 | 20 | RE 519 | 8 | RE 514 | - | - |
| Microtubes 0,2-0,4 ml. | ø6 x 45 | - | - | - | - | 12 | RE 532 | 20 | RE 473 | 8 | RE 515 | - | - |

(1) This rotor can be supplied with hermetic lids (RE 355)

| | | RT 256 | RT 167 | | |
|------------------------|---------------------|---|---|----------|--------|
| | |  |  | | |
| ROTOR | | ANGLE FIXED 35 ° | ANGLE FIXED 35 ° | | |
| Max. capacity | | 32 x 15 ml. | 6 x 50 ml. | | |
| RPM | | 4.200 | 4.200 | | |
| Radius(mm) | | 149/130 | 132 | | |
| RCF Max. (xg) | | 2.938/2.563 | 2.603 | | |
| SAMPLE VOLUME | Dim (mm) approx. | ADAPTERS | | ADAPTERS | |
| | | Tubes | Ref. | Tubes | Ref. |
| 100 ml. | ø48 x 100 | - | - | - | - |
| 80 ml. | ø44 x 100 | - | - | - | - |
| 50 ml. | ø34 x 100 | - | - | 6 | RE 447 |
| 50 ml. conical | ø29 x 117 | - | - | 6 | RE 365 |
| 30 ml. | ø25 x 98 | - | - | 6 | RE 387 |
| 15 ml. | ø16 x 100 | 32 | - | 6 | RE 361 |
| 15 ml. conical | ø17 x 122 | 32 | - | 6 | RE 361 |
| 10 ml. | ø13 x 100 | 32 | RE 518 | 18 | RE 360 |
| 10 ml. blood sample | ø16 x 107 | 32 | - | 6 | RE 361 |
| 7/10 ml. blood sample | ø13 x 107 | 32 | RE 518 | 6 | RE 364 |
| 5 ml. | ø13 x 75 | 32 | RE 517 | 18 | RE 360 |
| 5 ml. blood sample | ø13 x 82 | 32 | RE 517 | 6 | RE 364 |
| Microtubes 1,5-2 ml. | ø11 x 42 | - | - | 18 | RE 464 |
| Microtubes 0,5-0,6 ml. | ø8 x 30 | - | - | 18 | RE 533 |
| Microtubes 0,2-0,4 ml. | ø6 x 45 | - | - | 18 | RE 534 |



orto alresa

About centrifugation

info@ortoalresa.com

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

