

A close-up photograph of laboratory equipment. In the foreground, a black cylindrical component with a white knurled top is labeled '1' and 'ortoalresa Ns 220759/05'. To its right, several stainless steel tubes are visible, each engraved with 'ortoalresa Ns 220607/02'. In the background, a black tray holds several red caps. A dark semi-transparent banner is overlaid on the right side of the image, containing the company logo and tagline.

**orto  
alresa**  
About centrifugation

Special applications | CYTO 22





# CYTO 22



PULL to Remove

Our cytocentrifuge is designed for the concentration of biological samples on a visible surface for the microscope and its subsequent identification and characterisation. Its accessories, provided with the REI system (Rotor Easy to Install) are securely installed on the rotor without the need for tools, and are unlocked by simply removing them from their position.

For improved traceability, it has a connectivity system that allows the user to consult, programme and control the centrifuge from the device of their choice; PC, tablet and mobile phone thanks to the free Ortoalresa SmartConnect app. Just connect it to your laboratory's WiFi network and you will have complete control of your equipment from our app. (+ info on page 58).

Easy to handle, it reduces the operating time, an indispensable feature in oncology, cytology and microbiology services.

## 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 22 accessories, pag. 56-57)

- TFT color touch screen:
- Shows RPM and RCF, time and acceleration/deceleration values (PCBS)
  - Speed programming in 10 RPM/10 xg steps.
  - Real RCF values on screen based on accessories configuration.
  - Count up/down from "0" or at "set RPM/RCF" for reproducible tests.
  - Timer from 1 sec. to 99 hours programmable in 1 sec. steps and hold position.
  - PCBS: Progressive controlled acceleration and braking system up to 175 selectable ramps that prevents sample homogenization after separation.
  - Start delay: To program the time at which the cycle is to begin.
  - Linked program: Permits the linking of up to 8 consecutive programmes without the need of user intervention.
  - 100 programmable memories, with protection under password.
  - Several acoustic and visual messages showing the situation of the device to the user.

## Easy to use

- Provided with REI system (Rotor Easy to Install)
- Microprocessor controlled. Connectivity.
- Induction motor maintenance free (brushless).
- Rotors and adapters 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, programmable.
- Last values remain in memory.
- Automatic rotor recognition. Over-speed protection.

3 YEAR WARRANTY



Max. Capacity 12 x 6 ml	Max. Speed 866 xg / 2.500 RPM
Screen Type TFT	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 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.

## Versions

	Dimensions (mm) (w x d x h)			Net Weight (Kg)	Voltage (V)	Frequency (Hz)	Consumption (W)
CE 261	410	530	320	35	220-230	50-60	400
CE 262	410	530	320	35	110-120	50-60	400

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

## Accessories

RT 331



ROTOR	ANGLE FIXED
Max. capacity	12
RPM Max.	2.500
Radius (mm)	87
RCF Max. (xg)	607
EZ Single Cytofunnel™	12 x 0,1-0,5 ml
EZ Megafunnel™	12 x up to 6 ml
Cyto-Clips™	12

Rotors for tubes, microtubes, or plates available; check them on page 56.



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