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About centrifugation

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 min. programmable in 5 sec. steps and hold position.
- 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 (mm) (w x d x h)			Net Weight (Kg)	Voltage (V)	Frequency (Hz)	Consumption (W)
CE 156	270	400	270	19	220-240	50-60	120
CE 165	270	400	270	19	110-120	50-60	120

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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Álvarez Redondo S.A. 

Los frailes, 121
Pol. Ind. Los Frailes
28814 Daganzo | Madrid

www.ortoalresa.com 

(+34) 91 884 40 16 

info@ortoalresa.com to ask for information 
sat@ortoalresa.com to contact our technical service
sales@ortoalresa.com to contact our comercial department
marketing@ortoalresa.com to contact our marketing department