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Eppendorf Centrifuges 5702, 5702R, and 5702 RH Performance Specifications

Overview

The 5702 family of low-speed, general-purpose centrifuges was especially designed to meet the requirements of clinical and cell culture labs. They are compact in design to fit on almost every lab bench, quiet in operation to improve your work environment. They can be operated with 6 different swing-bucket and fixed-angle rotors to accommodate almost any kind of tube.

The right model for your application:

- Economical Model 5702 for standard applications
- Refrigerated Model 5702 R for heat sensitive samples
- Heated and refrigerated Model 5702 RH allows centrifugation under biological conditions to improve cell viability for more accurate results in downstream applications (e.g. cell cultivation)

Features

Very compact footprint to fit on every lab bench:

- Whisper quiet operation
- Low access height for easy access to samples
- Rotary knobs for fast parameter settings
- Digital display for maximum reproducibility
- SOFT brake function for slow acceleration and braking. Optimized for cell separation by gradient centrifugation (e.g., Ficoll® separation).
- “At set RPM” function starts time counting when selected speed is reached for reproducible centrifugation runs
- Parameter lock prevents accidental changes
- Stainless steel rotor chamber is easy to clean
- Automatic rotor imbalance detection for maximum safety

Temperature control versions also feature:

- Two programming keys to store routine procedures
- Separate FastTemp function
- ECO shut-off mode reduces energy consumption
- Temperature range: $-9\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$

Specific features for Centrifuge 5702 RH:

- Temperature adjustable from $-9\text{ }^{\circ}\text{C}$ to $42\text{ }^{\circ}\text{C}$
- Active heating guarantees high temperature accuracy ($\pm 1\text{ }^{\circ}\text{C}$ at $4\text{ }^{\circ}\text{C}$ and $37\text{ }^{\circ}\text{C}$) during the entire centrifugation cycle

Technical Specifications

Description	Centrifuge 5702	Centrifuge 5702 R	Centrifuge 5702 RH
Max. rcf	3,000 x g	3,000 x g	3,000 x g
Max. Speed	4,400 rpm	4,400 rpm	4,400 rpm
	(in 100 rpm increments)	(in 100 rpm increments)	(in 100 rpm increments)
Maximum capacity	4 x 90 mL or 30 x 15 mL	4 x 90 mL or 30 x 15 mL	4 x 90 mL or 30 x 15 mL
Number of rotors	6	6	6
Acceleration time to max. rpm	< 25 s	< 25 s	< 25 s
Braking time from max. rpm	< 25 s	< 25 s	< 25 s
SOFT brake function	Yes	Yes	Yes
Timer	0–99 min, with continuous mode	0–99 min, with continuous mode	0–99 min, with continuous mode
Noise level with rotor A-4-38	< 51 dB(A)	< 45 dB(A)	< 45 dB(A)
Temperature control range		$-9\text{ }^{\circ}\text{C}$ to $40\text{ }^{\circ}\text{C}$	$-9\text{ }^{\circ}\text{C}$ to $42\text{ }^{\circ}\text{C}$
Power supply	230 V/50–60 Hz	230 V/50–60 Hz	230 V/50–60 Hz
Power requirement	max. 200 W	max. 380 W	max. 380 W
Dimensions (W x D x H)	32 x 40 x 24 cm	38 x 58 x 26 cm	38 x 58 x 26 cm
Weight	20 kg	36 kg	36 kg

Rotors



Fixed-angle rotors
(1): 30 x 15mL (F-35-30-17)
(2): 24 x 1.5/ 2.0mL (F-45-24-11)
(3): 18 x 1-2mL cryotubes® (F-45-18-17-Cryo)
Swing-bucket rotors
(4): 4 x 85mL (A-4-38)
(5): 8 x 18mL (A-8-17)

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