

EU-IVD Product



# The New Standard

The new refrigerated Centrifuge 5910 R



# The Next Level in Ease of Use and Cooling Performance

The new refrigerated Centrifuge 5910 R combines high capacity and performance in a compact and ergonomic product design. It shares the modern user interface and the advanced temperature management system of its bigger brother, the Centrifuge 5920 R, which lab users have come to love\*2.

\* The Centrifuge 5910 R is designed for separating liquid substance mixtures with different densities, in particular, for processing and analyzing samples from the human body in *in vitro* diagnostic applications to ensure that the *in vitro* diagnostic device can be used according to its intended purpose. This centrifuge including components is an *in vitro* diagnostic device according to Directive 98/79/EC of the European Parliament and the Council dated October 27, 1998. Eppendorf centrifuges are exclusively intended for indoor use by trained specialists.

\*2 In 2017, the Centrifuge 5920 R was voted Best New General Lab Product by scientists around the world on SelectScience.

### Outstanding versatility for all your applications

- > Broad rotor and adapter selection to spin all commonly used tubes, bottles, and plates
- > High centrifugation speed up to  $22,132 \times g$  (14,000 rpm) for applications in tubes from 0.2 to 750 mL and plates
- > Aerosol-tight rotors (e.g. for potentially hazardous materials) for both tubes and plates

### Ergonomic operation

- > Low sound level to benefit your work environment
- > Low access height for easy loading/unloading
- > Centrifuge lid with soft-touch lid closure
- > Compact footprint saves valuable bench space
- > Eppendorf QuickLock® caps and lids allow fast and ergonomic lid-locking

### Advanced temperature management for maximum sample protection and energy efficiency

- > Temperature range from  $-11\text{ °C}$  to  $40\text{ °C}$
- > FastTemp function for quick pre-cooling
- > FastTemp pro® function allows for automatic precooling based on pre-programmable time and date
- > Standby cooling function holds temperature when centrifuge is not in use
- > ECO shut-off engages after 8 hours (adjustable) of non-use to reduce energy consumption and extend compressor life

### Main swing-bucket rotors



#### Rotor S-4x750

- > High-capacity swing-bucket rotor with max. speed  $4,800 \times g$  (4,700 rpm)
- > Mixed loading with 2 plate buckets and 2 round tube buckets allows for increased versatility
- > Optional aerosol-tight QuickLock caps for safe centrifugation of hazardous samples

#### Rotor S-4x500

- > Medium capacity swing-bucket rotor with max. speed  $3,220 \times g$  (4,000 rpm)
- > Mixed loading with 2 plate buckets and 2 rectangular tube buckets allows for increased versatility



# Ordering Information

## Technical specifications

Description	
<b>Max. rcf</b>	
> Fixed-angle rotor	22,132 × g
> Swing-bucket rotor	5,234 × g (Rotor S-4x400)
<b>Speed</b>	200 – 14000 rpm (in 10 rpm increments)
<b>Max. capacity</b>	4 × 750 mL / 4 × 2 DWP
<b>Accel. / Braking ramps</b>	10 / 10
<b>Programs</b>	99 (5 program keys)
<b>Timer</b>	10 s – 99 h 59 min, infinite
<b>Temperature control range</b>	-11 °C to 40 °C
<b>Noise level</b>	
> Rotor S-4x750	< 54 dB(A)
> Rotor FA-6x50	< 58 dB(A)
<b>Power supply</b>	230 V/50–60 Hz
<b>Max. power consumption</b>	1,650 W
<b>Dimensions (W × D × H, incl. front panel)</b>	72 × 66 × 37 cm
<b>Footprint (dimensions w/o front panel, W × D)</b>	72 × 62 cm
<b>Height with open lid</b>	85 cm
<b>Weight without rotor</b>	109 kg

Technical specifications subject to change. Errors and omissions excepted.

## Ordering information

Description	Max. capacity of conical tubes per rotor	Order no.
<b>Centrifuge 5910 R, 230 V/50 – 60 Hz</b>		5942 000.016
<b>Centrifuge 5910 R, with Rotor S-4x750, incl. round buckets and adapters for 15 mL/50 mL conical tubes</b>	56 × 15 mL/28 × 50 mL	5942 000.512
<b>Centrifuge 5910 R, with Rotor S-4x500, incl. rectangular buckets and adapters for 15 mL/50 mL conical tubes</b>	48 × 15 mL /20 × 15 mL	5942 000.610
<b>Centrifuge 5910 R, with Rotor S-4x400, incl. round buckets and adapters for 15 mL/50 mL conical tubes</b>	28 × 15 mL /16 × 50 mL	5942 000.717

For further information about swing-bucket and fixed-angle rotors, please contact your local Eppendorf organization.

Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)  
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[www.eppendorf.com/Centrifuge-5910R](http://www.eppendorf.com/Centrifuge-5910R)