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EU-IVD Product



# The Next Benchmark

The new refrigerated Centrifuge 5910 R



# The Next Benchmark in Centrifugation Technology

The new refrigerated Centrifuge 5910 R combines extraordinary versatility with high capacity in a compact and ergonomic product design. It shares the modern user interface and advanced technology of its bigger brother, the Centrifuge 5920 R, which lab users have come to love.

\* 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.

### 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-4xUniversal

- > High capacity swing-bucket rotor with max. speed  $4,347 \times g$  (4,500 rpm)
- > Universal rotor buckets for spinning tubes and plates
- > Universal adapters hold 15 or 50 mL conical tubes and plates.

**Benefit: No rotor bucket or adapter change needed.**



### 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

# Ordering Information

## Technical specifications

| Description  |  |
|--|--|
| <b>Max. rcf</b>                                      |  |
| > Fixed-angle rotor                                  | 22,132 × g                             |
| > Swing-bucket rotor                                 | 5,263 × g (Rotor S-4x400)              |
| <b>Speed</b>   | 100 – 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-4xUniversal                                | < 53 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-4xUniversal, incl. universal buckets and adapters for 5 mL/15 mL/50 mL conical tubes and plates</b>                          | 64 × 15 mL/36 × 50 mL                    | 5942 000.318 |
| <b>Centrifuge 5910 R, with Rotor S-4xUniversal, incl. universal buckets and adapters for 5 mL/15 mL/50 mL conical tubes, 175 mL – 250 mL bottles and plates</b> | 64 × 15 mL/28 × 50 mL                    | 5942 000.210 |
| <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.

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