

eppendorf

General Lab 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.

### 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 000.010
<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 000.315
<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 000.215
<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 000.515
<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 000.615
<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 000.710

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

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