

Centrifuge 5418/5418 R



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Watch our 360° view of the Centrifuge 5418/5418R on our website!

Rotor FA-45-18-11 for 18 × 1.5/2.0 mL tubes comes standard with unique Eppendorf QuickLock aerosol-tight lid for fast and reliable locking

Description

The Centrifuge 5418 and Centrifuge 5418 R with their 18-place capacity rotors are specifically designed for low to medium capacity in 1.5/2.0 mL tubes and Microtainer®. Their speed of up to 16,873 × g allows for standard molecular biology and clinical applications. Both models have an especially low access height and are characterized by a remarkably quiet operation.

Product features

- > Max. rotor capacity: 18 × 1.5/2.0 mL vessels
- > Max. speed: 16,873 × g (14,000 rpm)
- > Small footprint and low access height of 23 cm
- > OptiBowl® design for quiet operation – even without a rotor lid
- > Eppendorf QuickLock® rotor allows for fast and ergonomic lid locking
- > Soft-touch one-finger lid closure for ergonomic operation
- > Full digital display with time and speed display
- > Separate short-spin key for quick centrifugation
- > Automatic lid opening at the end of the run – prevents sample warming and allows easy access to samples (only Centrifuge 5418)
- > Certified aerosol-tight rotor comes standard for safe centrifugation of hazardous samples

Special features for Centrifuge 5418 R

- > Temperature range from 0 °C to +40 °C
- > Guaranteed temperature of 4 °C at maximum rotational speed
- > FastTemp™ function for quick pre-cooling and maximum temperature accuracy inside the rotor
- > ECO power shut-off engages after 8 hours of nonuse to reduce energy consumption (46 % over night) and extend compressor life (can be deactivated)
- > The patented compressor technology reduces vibrations and protects your samples
- > Built-in condensation drain to eliminate water accumulation in the rotor chamber



Adapter for 0.2 mL PCR Tubes

Ideal to spin down PCR Tubes after reaction setup. Adapter fits in any Eppendorf 1.5/2.0 mL rotor

Adapter for 0.8 mL BD Microtainer® and 0.5 mL tubes

The adapter can be used with every Eppendorf rotor for 1.5/2.0 mL tubes

Technical specifications

Model	5418	5418 R
Max. RCF	16,873 × g	16,873 × g
Speed	100 – 14,000 rpm (100 rpm steps)	100 – 14,000 rpm (100 rpm steps)
Max. capacity	18 × 1.5/2.0 mL	18 × 1.5/2.0 mL
Rotors available	1	1
Acceleration time	16 s	11 s
Deceleration time	18 s	12 s
Timer	30 s to 9:59 h, with continuous run function	30 s – 99 min, with continuous run function
Noise level	< 51 dB(A)	< 55 dB(A), with rotor lid: < 47 dB(A)
Max. power consumption	170 W	320 W
Dimensions (W × D × H)	21 × 30 × 21 cm	30 × 46 × 25 cm
Height (with open lid)	43 cm	52 cm
Weight w/o accessories	7.7 kg	22 kg
Cooling	non-refrigerated	refrigerated
Temperature control range		0 °C to +40 °C

Ordering information

Description	Order no.
Centrifuge 5418, non-refrigerated, with Rotor FA-45-18-11 and rotor lid, 230 V/50 – 60 Hz	5418 000.017
Centrifuge 5418 R, refrigerated, with Rotor FA-45-18-11 and rotor lid, 230 V/50 – 60 Hz	5401 000.013
Adapter, for 1 tube 0.5 mL, max. Ø 6 mm or microtainer 0.6 mL, max. Ø 8 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 716.001
Adapter, for 1 tube 0.4 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 717.008
Adapter, for 1 PCR tube 0.2 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 715.005

✎ Ordering information for other voltage options begins on page 478