

NEW



Centrifuge 5427 R

Delivering Performance

Centrifuge 5427 R
Silence | Speed | Simplicity®



Performance never felt better

If there is a demand for high sample throughput, many centrifuges call it a day in regards to capacity. This does not apply to the Centrifuge 5427 R. With a new double-row 48-place rotor it lives up to the increased efficiency requirements with fast running times in a safe and reliable manner. This is supported by an intuitive human interface and design concept which makes for a compelling user comfort.

For these reasons, the Centrifuge 5427 R becomes the ideal solution for high-end research applications.

In addition, this microcentrifuge satisfies with an innovative compressor technology which—by taking ecological aspects into account—tempers sensible samples precisely to guarantee a proper preparation of your analysis.

Features and benefits

- > New 48-place rotor reduces time expenditure of daily routine works significantly
- > Short-Spin function allows for quick short centrifugation with pre-selectable rotation speed
- > Eppendorf QuickLock®-system for quick rotor lid opening and closing
- > Very quiet operation due to further improved sound insulation
- > FastTemp™ for rapid pre-cooling of the centrifuge, e. g. from 23 °C to 4 °C in in approx. 11 minutes
- > Continuous cooling keeps the temperature after the run constant—Your samples stay safe
- > Alternatively to continuous cooling: ECO-shut off of the compressor (adjustable after 1, 2, 4 or 8 hours of non-use) for a lower energy consumption



The Eppendorf microcentrifuges set the standards in terms of design and usability. This has been confirmed by receiving the external certificate »excellent! Universal Design« of the TÜV Nord organization.

The Centrifuge 5427 R shines with a comprehensive choice of high quality aluminum rotors which serve specific applications. In this regard, proven rotor types have been complemented with further especially designed models.

Besides the 48-place rotors this includes a 12-place rotor for 5.0 mL Eppendorf Tubes® and a swing bucket rotor for up to 24 × 2.0 mL tubes. Moreover, all aerosol-tight rotors are equipped with the Eppendorf QuickLock-system by standard for easy rotor lid opening and closing.

Rotors for Centrifuge 5427 R

FA-45-48-11*



Standard rotor for 48 × 1.5/2.0 mL tubes (max. 18,210 × *g* / 12,700 rpm)

FA-45-30-11*



Rotor for 30 × 1.5/2.0 mL tubes (max. 20,800 × *g* / 14,000 rpm)

FA-45-24-11*



Rotor for 24 × 1.5/2.0 mL tubes (max. 25,000 × *g* / 16,220 rpm)

F-45-48-11



Rotor for 48 × 1.5/2.0 mL tubes (max. 18,210 × *g* / 12,700 rpm)

F-45-30-11



Rotor for 30 × 1.5/2.0 mL tubes (max. 20,800 × *g* / 14,000 rpm)

FA-45-24-11-Kit*



Rotor with raised edge for safe centrifugation of up to 24 spin columns (max. 19,100 × *g* / 13,200 rpm)

S-24-11-AT*



Swing bucket rotor for 24 × 1.5/2.0 mL tubes (max. 16,049 × *g* / 12,700 rpm)

FA-45-12-17*



Rotor for 12 × 5.0 mL Eppendorf tubes (max. 20,600 × *g* / 14,000 rpm)

F-45-48-5-PCR



PCR strip rotor for up to 48 × 0.2 mL PCR tubes (max. 11,710 × *g* / 10,500 rpm)

* Aerosol-tight and Eppendorf QuickLock-sealing

Technical Data

Description	Centrifuge 5427 R
Max. rcf	25,000 × g
Max. rpm	16,220 rpm
Acceleration time to max. speed	18 s (with Rotor FA-45-24-11)
Braking time from max. speed	18 s (with Rotor FA-45-24-11)
Temperature settings	-11 °C to 40 °C
Time settings	10 s to 9:59 h
Max. noise level	< 54 dB(A)
Dimensions (W × D × H)	319 × 540 × 254 mm
Weight without rotor	30 kg
Power requirement	550 W
Max. capacity	48 × 1.5/2.0 mL

Ordering information

Description	Order-no.
Centrifuge 5427 R	
230V/50-60Hz, with rotary knobs	5409 000.012
with rotor FA-45-48-11	5409 000.217
with rotor FA-45-30-11	5409 000.535
with rotor FA-45-12-17	5409 000.632
Rotors and accessories	
FA-45-24-11, incl. rotor lid, aerosol-tight*	5409 702.009
FA-45-30-11, incl. rotor lid, aerosol-tight*	5409 706.004
FA-45-48-11, incl. rotor lid, aerosol-tight*	5409 710.001
FA-45-12-17, incl. rotor lid, aerosol-tight*	5409 700.006
FA-45-24-11-Kit, incl. rotor lid, aerosol-tight*	5409 704.001
F-45-30-11, incl. rotor lid	5409 708.007
F-45-48-11, incl. rotor lid	5409 712.004
F-45-48-5-PCR	5409 714.007
S-24-11-AT, incl. rotor lid, aerosol-tight*	5409 715.003
Adapter for all 1.5/2.0 mL microcentrifuge rotors	
Adapter for 0.2 mL PCR tubes (set of 6)	5425 715.005
Adapter for 0.4 mL tubes (set of 6)	5425 717.008
Adapter for 0.5 mL tubes and 0.6 mL Microtainer® (set of 6)	5425 716.001
Adapter for FA-45-12-17 rotor	
Adapter for 1.5/2.0 mL tubes (set of 4)	5820 768.002
Adapter for cryogenic vials (set of 4)	5820 796.009
Adapter for HPLC tubes (set of 4)	5820 770.007

*Certified aerosol-tight.

Technical specifications subject to change.

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