

Centrifuges 5424/ 5424 R



Description

Centrifuge 5424 and Centrifuge 5424 R are the new laboratory standard. With their 24-place capacity and speed up to 21,130 x g they are perfectly equipped for all modern molecular biology applications in Eppendorf and PCR tubes. When working with MiniPrep spin columns kits, the unique Eppendorf Kit rotor® with raised rim solves the issue of open tube caps shearing off during the elution step. Refrigerated Centrifuge 5424 R features state of the art cooling technology to ensure energy efficiency and high temperature accuracy for maximum sample protection. For ease-of-operation and time savings, Centrifuge 5424 R cools down to 4 °C in only 8 minutes.

Product features

- > Max. rotor capacity: 24 x 1.5/2.0 mL vessels
- > Max. speed: 20,238 x g (14,680 rpm)
- > OptiBowl® design for quiet operation, even without a rotor lid
- > Soft-touch one-finger lid closure for ergonomic operation
- > SOFT brake to protect sensitive samples
- > 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 5424)
- > Certified aerosol-tight rotor comes standard for safe centrifugation of hazardous samples
- > Available as a rotary knob version for fast parameter selection, or keypad version for easy cleaning

Special features for Centrifuge 5424 R

- > Temperature range from -10 °C to +40 °C
- > Guaranteed temperature of 4 °C at maximum rotational speed
- > FastTemp function for quick pre-cooling of the centrifuge, e.g. from ~ 21 °C to 4 °C in only 8 minutes
- > ECO power shut-off engages after 8 hours of non use to reduce energy consumption (40 % 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

i For more information go to www.eppendorf.com/centrifugation



Technical specifications		
Model	5424	5424 R
Max. RCF	20,238 x g	21,130 x g
Speed	100 – 14,680 rpm (50 rpm steps)	100 – 15,000 rpm (50 rpm steps)
Max. capacity	24 x 1.5/2.0 mL	24 x 1.5/2.0 mL
Rotors available	4	4
Acceleration time	16 s	15 s
Deceleration time	18 s	16 s
Timer	30 s to 9:59 h, with continuous run function	30 s to 9:59 h, with continuous run function
SOFT brake function	yes	yes
Noise level	< 51 dB(A) with Rotor FA-45-24-11	< 54 dB(A), with rotor lid: < 48 dB(A) with Rotor FA-45-24-11
Max. power consumption	250 W	350 W
Dimensions (W x D x H)	24 x 32 x 23 cm	29 x 48 x 26 cm
Height (with open lid)	44 cm	51 cm
Weight w/o accessories	13.4 kg	21 kg
Cooling		refrigerated
Temperature range	–	-10 °C to +40 °C

Ordering information

Description	Order no.
Centrifuge 5424 , with Rotor FA-45-24-11	
rotary knobs, 230 V/50 – 60 Hz	5424 000.410
keypad, 230 V/50 – 60 Hz	5424 000.010
Centrifuge 5424 , without rotor	
rotary knobs, 230 V/50 – 60 Hz	5424 000.614
keypad, 230 V/50 – 60 Hz	5424 000.215
Centrifuge 5424 R , refrigerated, with Rotor FA-45-24-11	
rotary knobs, 230 V/50 – 60 Hz	5404 000.413
keypad, 230 V/50 – 60 Hz	5404 000.014
Centrifuge 5424 R , refrigerated, without rotor	
rotary knobs, 230 V/50 – 60 Hz	5404 000.618
keypad, 230 V/50 – 60 Hz	5404 000.219

Ordering information for other voltage options begins on page 484

Rotors for Centrifuge 5424/ 5424 R



Rotor FA-45-24-11

- > Max. speed: 21,130 x g (15,000 rpm)
- > Max. capacity: 24 x 1.5/2.0 mL tubes
- > Aerosol-tight for safe centrifugation of hazardous samples



Rotor FA-45-24-11-Special

- > Max. speed: 21,130 x g (15,000 rpm)
- > Max. capacity: 24 x 1.5/2.0 mL tubes
- > Aerosol-tight for safe centrifugation of hazardous samples
- > PTFE coating for increased chemical resistance



Rotor F-45-18-11-Kit

- > Max. speed: 18,111 x g (15,000 rpm)
- > Max. capacity: 18 x spin columns or 1.5/2.0 mL tubes
- > Extended rim that protects tube caps from shearing off



Rotor F-45-32-5-PCR

- > Max. speed: 18,615 x g (15,000 rpm)
- > Max. capacity: 4 x PCR strips



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



Watch video clips of Centrifuges 5424/R on our dedicated mobile website or www.eppendorf.com/centrifugation

Ordering information

Description	Order no.
Rotor FA-45-24-11	5424 702.007
Rotor FA-45-24-11-Special	5424 700.004
Rotor F-45-18-11-Kit	5424 706.002
Rotor F-45-32-5-PCR	5424 704.000
Adapter, for 1 tube 0.5 mL, max. Ø 6 mm or microtainer 0.6 mL, max. Ø 6 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

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