



Made For Your Workflows

Supporting you in every step of the bioprocess workflow –
high-speed refrigerated floorstanding Centrifuge CR30NX

Centrifuge CR30NX – For High-Speed and High-Volume Harvesting

With high speeds up to 110,000 x *g*, this centrifuge reaches *g*-forces that cross into the range of ultracentrifugation, making it the optimal solution for laboratories with a broad application range. From harvesting of biomass via continuous flow to separation steps of small particles such as viruses, organelles, extracellular vesicles or nanoparticles, the outstanding versatility and performance of Centrifuge CR30NX covers them all.



- > 2-in-1 model: suitable for centrifugation steps with super-speed requirements (with vacuum function) and/ or harvesting with continuous flow rotors
- > Unique 1.5 L triangular bottle for easy and time efficient harvesting of cell, yeast and bacterial cultures (up to 15,100 x *g*)
- > Rotors with consumables suitable for your application choosing the right one is now easier than ever
- > Immediate rotor recognition and self-locking rotor system for highest level of user safety
- > Large touchscreen interface for fast and easy operation
- > User management and documentation functions support labs working in a GxP environment

Super-Speed Rotors – No Switching Needed



Choose from two rotors with max. speed of 110,000 x *g*:

- > Top-loading swing-bucket rotor for high-speed density gradient applications (e.g. rate zonal or Isopycnic centrifugation)
- > Fixed-angle rotor for cell fractionation (e.g. Virus-, viral particle or exosome pelleting)
- > With the self-locking rotor system and the immediate rotor recognition, you can toggle between applications in just a few minutes

> Learn more about our rotor and consumables available for your lab applications.



Centrifuge CR30NX – Find the Right Rotor for Your Requirements

Rotor	Max. Capacity	Order No.	Max speed (x g)	Included Consumable	 Mammalian, Bacteria, Algae	 DNA, RNA, Proteins	 Mitochondria, Lysosomes, Nuclei	 Exosomes, Golgi, Virus, Peroxisomes
Fixed angle rotors are ideal for pelleting and harvesting application								
R7A ¹	6 x 1,000 mL	5721 352 100	11,000	6 x 1000PP bottle (WM)				
R9A2 ¹	4 x 1,500 mL	5721 302 115	15,100	4 x 1500PP bottle (WM)				
R9A ^{1,2}	4 x 1,000 mL	5721 302 114	15,300	4 x 1000PP bottle (WM)				
R10A3 ¹	6 x 500 mL	5721 302 112	18,800	6 x 500PP bottle				
R10A5 ¹	6 x 500 mL	5721 302 113	18,900	No				
R16A2 ¹	10 x 50 mL	5721 302 110	36,100	100 x 15TC tube, 100 x 50TC tube				
R16A3 ¹	6 x 250 mL	5721 302 111	40,100	6 x 250PP bottle				
R17A ¹	14 x 50 mL	5721 302 109	40,900	14 x 50PP tube				
R19A ¹	6 x 80 mL	5721 302 108	45,610	6 x 80PP bottle				
R20A2 ¹	8 x 50 mL	5721 221 005	48,000	8 x 50PP tube				
R21A2 ¹	6 x 30 mL	5721 302 105	50,000	6 x 30PP bottle				
R19A2 ¹	8 x 50 mL	5721 302 107	50,000	100 x 50TC tube				
R22A6 ¹	12 x 10 mL	5721 302 103	55,100	12 x 10PP bottle				
R22A4 ^{1,2}	30 x 2 mL	5721 302 104	55,200	-				
R27A ¹	8 x 50 mL	5721 302 102	88,400	8 x 50PP bottle				
R30AT ¹	8 x 50 mL	5721 302 101	110,000	8 x 50PP bottle				
Continuous flow rotors are the best solution if you want to harvest more than 6 L of volume								
R10C2 ¹	-	5721 352 601	14,300	-				
R18C2 ¹	-	5721 302 600	35,100	-				
Swing-bucket rotors allow maximum sedimentation and are ideal for density gradient applications								
R25ST	6 x 40 mL	5721 302 400	110,000	50 x 40PP tube				
Swing-bucket rotors for plates are ideal for ethanol precipitation of nucleic acids and microplate spin-down and centrifugation								
R5S4 ^{1,2}	-	572 130 2401	3,100	-				
Horizontal rotor are ideal for purification of PCR products and ethanol precipitation of nucleic acids in plates								
R10H	-	5721 302 700	13,000	-				
Multifunctional rotors are ideal for centrifugation of blood collection tubes, glass tubes, conical tubes								
R4SS	40 x 15 mL	5721 352 402	2,900	-				

*1 Autoclavable *2 Biosafety Certified

Centrifuge CR30NX

Technical specifications

Model	Centrifuge CR30NX
Max. RCF	110,000 x g
Max. speed	30,000 rpm
Speed range	300 – 30,000 rpm
Max. capacity	1.5 L x 4 (Rotor R9A2)
Acceleration/ Breaking ramps	11/10
Number of programs	1000
Display	6.5 inch color touch-sensitive LCD panel
Timer	1 s to 99 min 59 s (in increments of 1 s) or 1 min to 99 h 59 min (in increments of 1 min), Hold function
Noise Level	< 56 dB(A)
Power Supply	Single-phase, AC 200/208/220/230/ 240 V +/- 10%, 50/60 Hz, 30 A Three-phase four-wire: AC 380 / 400 / 415 V
Max. power consumption	1.5 kW
Footprint (WxDxH)	708 x 892 x 866 mm / 27,8 x 35,1 x 34 in
Height (with open lid)	1,500 mm / 59 in
Weight (w/o accessories)	310 kg / 683,4 lbs
Refrigerator	Rotary inverter driven compressor (Refrigerant: R410 A)
Temperature control range	-20 to + 40 °C
Vacuum system	yes
Safety functions	Interlock door, overspeed detection, imbalance detector, rotor cover detector, over-temperature detector
User lockout function	yes
Options	Foot pedal to open lid, Microfilter installation



For more information, please check our local website
or contact your local sales representative.

www.eppendorf.link/centrifugation



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