



Made For Your Workflows

Supporting you in every step –
high-speed refrigerated floorstanding Centrifuge CR22N

Centrifuge CR22N – Your Everyday Solution

Whether your work requires harvesting of biomass in volumes of up to 6 L per run, pelleting of cells, subcellular organelles or larger viruses, or extraction, precipitation, concentration and purification of nucleic acids in up to 50 mL tubes, the Centrifuge CR22N is the optimal solution to support your everyday centrifugation tasks.

- > Speeds of up to 58,700 x *g* (Rotor R27A) support applications in genomics, cell biology and proteomics
- > 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 and consumables tailored to your applications – choosing the right one is now easier than ever
- > Large touchscreen interface for fast and easy operation
- > User management and documentation function supports labs working in a GxP environment
- > Self-locking rotor system for increased safety and convenience



Unique 1.5 L Triangular Bottle – Spinning Made Easy

Rotor R9A2



Gain great flexibility and save precious time with our innovative triangular bottles:

- > No minimum filling level. Spin samples between 0 – 1.5 L without worrying about bottle stability
- > Reduces handling steps during the separation process such as balancing, supernatant harvesting, pellet recovery and cleaning of bottles after the run

> Learn more about our rotor and consumable solutions, available for your lab applications.
www.eppendorf.com/centrifuge-CR22N



Centrifuge CR22N – A Solution For Every Application

Rotor	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								
R9A2 ¹	4 x 1,500 mL	5721 221 014	15,100	4 x 1500PP bottle (WM)				
R9A ^{1,2}	4 x 1,000 mL	5721 221 015	15,300	4 x 1000PP bottle (WM)				
R10A3 ¹	6 x 500 mL	5721 221 013	18,800	6 x 500PP bottle				
R10A5 ¹	6 x 500 mL	5721 221 012	18,900	-				
R12A6 ^{1,2}	4 x 500 mL	5721 221 010	22,500	4 x 500PP bottle				
R12A3	6 x 250 mL	5721 221 011	23,800	6 x 250PP bottle				
R13A ¹	6 x 250 mL	5721 221 009	26,400	6 x 250PP bottle				
R14A3	10 x 100 mL	5721 221 105	29,100	10 x 80PP bottle				
R14A	4 x 250 mL	5721 221 008	30,240	4 x 250PP bottle				
R15A ¹	10 x 50 mL	5721 221 007	32,300	100 x 15TC tube, 100 x 50TC tube				
R18A ¹	8 x 50 mL	5721 221 006	42,200	100 x 50TC tube				
R19A ¹	6 x 80 mL	5721 221 103	45,610	6 x 80PP bottle				
R20A2 ¹	8 x 50 mL	5721 302 106	48,000	8 x 50PP tube				
R21A2 ¹	6 x 30 mL	5721 221 004	50,000	6 x 30PP bottle				
R22A ¹	18 x 7 mL	5721 221 101	54,700	18 x 7PP tube				
R22A6 ¹	12 x 10 mL	5721 221 002	55,100	12 x 10PP bottle				
R22A4 ^{1,2}	30 x 2 mL	5721 221 003	55,200	-				
R27A ¹	8 x 50 mL	5721 202 101	58,700	8 x 50PP bottle				
Sealed rotors feature a special sealing type that can prevent sample leakage. Since they also feature a fixed angle they are perfect for harvesting and pelleting applications								
R8AY	6 x 500 mL	5721 221 113	12,000	6 x 500PP bottle				
R12AY	4 x 250 mL	5721 221 112	22,200	4 x 250PP bottle				
R16AY	6 x 80 mL	5721 221 111	32,300	6 x 80PP bottle				
R18AY	8 x 50 mL	5721 221 110	38,800	8 x 50PP bottle				
Swing-bucket rotors allow maximum sedimentation and are ideal for density gradient applications								
R10S	4 x 50 mL	5721 224 102	16,470	4 x 50PP tube				
R15S3	4 x 11 mL	5721 224 101	28,700	4 x 11PP thick walled tube				
Swing-bucket rotors for plates are ideal for ethanol precipitation of nucleic acids and microplate spin-down and centrifugation								
R5S4 ^{1,2}	-	5721 224 001	3,100	-				
R6S	-	5721 224 104	5,010	-				
Horizontal rotor are ideal for purification of PCR products and ethanol precipitation of nucleic acids in plates								
R10H	-	5721 227 000	13,000	-				
Multifunctional rotors are ideal for centrifugation of blood collection tubes, glass tubes, conical tubes								
R3S	4 x 500 mL	5721 224 003	1,940	-				
R4SS	40 x 15 mL	5721 264 002	2,900	-				

*1 Autoclavable *2 Biosafety Certified

Centrifuge CR22N

Technical specifications

Model	Centrifuge CR22N
Max. RCF	58,700 x g*
Max. speed	22,000 rpm
Speed range	300 – 22,000 rpm
Max. capacity	1.5 L x 4 (Rotor R9A2)
Acceleration/ Breaking ramps	9/9
Number of programs	30
Display	5.7 inch color touch-sensitive LCD panel
Timer	1 s to 99 min 59 s (in increments of 1 s), Hold function
Noise Level	64 dB(A) at 1 m front (at 22,000 rpm)
Power Supply	Single-phase, AC 200/208/220/230/ 240 V +/- 10%, 50/60 Hz, 30 A
Footprint (WxDxH)	700 x 760 x 915 mm / 27,5 x 30 x 36 in
Height (with open lid)	1,510 mm / 59,4 in
Weight (w/o accessories)	260 kg / 573 lbs
Refrigerator	Rotary inverter driven compressor (Refrigerant: R410A)
Temperature control range	-20 to +40 °C
Vacuum system	n/a
Safety functions	Interlock door, overspeed detection, imbalance detector, over-temperature detector
User lockout function	yes

*with rotor R27A



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