eppendorf

Super Speeds, Compact Design

Micro-Ultracentrifuges: CS150NX and CS150FNX

Centrifuge CS-(F)NX Series: Two Compact Options to Fit Your Space

Your lab space is precious and limited. The compact Centrifuge CS-(F)NX Series was designed to utilize that space. With extraordinary high speeds of up to 1,050,000 × *g* (150,000 rpm), plus fast acceleration and deceleration ramps, our micro-ultracentrifuges ensure speedy separation of samples (e.g. nucleic acids, proteins, protein complexes, vesicles, and viruses) in vessels between 0.2–30 mL.

CS-150NX – Benchtop

> Compact footprint of
408 × 590 × 582 mm (H × W × D)

CS-150FNX – Floor standing

> Compact footprint of
910 × 440 × 520 mm (H × W × D)
> Convenient to relocate

Find the perfect match for your laboratory.
The Micro-Ultracentrifuge CS-(F)NX Series includes two compact options: a floor standing model (Centrifuge CS150FNX) with a very compact footprint or a benchtop model (Centrifuge CS-150NX) with standard power requirements for flexible placement within your laboratory.
Both devices offer:

> **Low noise level** of <45 dB(A), ensuring a stress-free work environment, even when you work directly next to the device.
> **Self-locking rotor system** that locks the rotor by centrifugal force. Simply place the rotor on the drive shaft… that's it!
> **Visual balancing of samples** by eye up to 5 mm height difference – no scale required![*2] The powerful non-contact imbalance system always monitors the vibration of rotor and drive shaft. In case of unusual vibrations, the system stops the run.
> **Intuitive touchscreen** with documentation functions, and three-level user management with password login to support GxP compliance.
> **Turn on time:** Ready to go in only 6 seconds after turning on the device – no wait time, even if the device was turned off!
> **Fast turn-on time** makes the device ready to go in only 6 seconds!

[*2] Except rotor S140AT, S110AT, S100AT5, S80AT3, S50A.

Start Separation at Ease

Discover the now complete centrifugation range from Eppendorf

www.eppendorf.link/your-centrifuge-solution

Easy Choice: A Selection of Comprehensive Rotors and Consumables

Rotor	Capacity	Max. speed	K-factor	Included consumable	Order number
	**Fixed Angle Rotors:** high-speed, 25–45° angle rotors are ideal for pelleting applications				
S50A	6 × 20–30 mL	210,000 × *g*	61	20 × 25PC thick-walled tube	5720 221 012
S55A2	12 × 1.5 mL	201,000 × *g*	40	300 × 1.5 mL Micro Tube (C)	5720 221 011
S58A	8 × 0.9–13.5 mL	289,000 × *g*	50	20 × 10PC thick-walled tube	5720 221 010
S70AT	20 × 0.5 mL	307,000 × *g*	31	100 × 0.5PC tube	5720 221 009
S80AT2	30 × 0.5 mL	415,000 × *g*	17	100 × 0.5PC tube	5720 221 007
S80AT3	8 × 1.5–8 mL	358,000 × *g*	23	100 × 6PC thick-walled tube	5720 221 008
S100AT3	20 × 0.23 mL	541,000 × *g*	7	100 × 0.23PC tube	5720 221 005
S100AT4	6 × 1.5–4 mL	436,000 × *g*	16	100 × 3PC tube	5720 221 006
S110AT	8 × 1.5–5 mL	691,000 × *g*	15	100 × 4PC tube	5720 221 004
S120AT2	10 × 1–2 mL	650,000 × *g*	8	100 × 1PC tube	5720 221 002
S120AT3	14 × 0.5 mL	650,000 × *g*	8	100 × 0.5PC tube	5720 221 003
S140AT	10 × 1.5–2 mL	1,050,000 × *g*	5	100 × 1PC tube	5720 221 001
S150AT	8 × 1–2mL	901,000 × *g*	6	100 × 1PC tube	5720 221 000
	**Swing Bucket Rotors:** allow maximum sedimentation and are ideal for density gradient applications				
S50ST	4 × 6–7 mL	253,000 × *g*	77	50 × 7PP tube	5720 224 002
S52ST	4 × 0.9–5 mL	276,000 × *g*	79	100 × 5PP tube	5720 224 001
S55S	4 × 1–2.2 mL	259,000 × *g*	44	100 × 2.2PP tube	5720 224 000
	**Vertical Angle Rotors:** allow short sedimentation distances and provider fast separations				
S120VT	8 × 5 mL	501,000 × *g*	8	100 × 2PP seal tube	5720 223 000
	**Neo-angle rotor:** allow steep angles below 25° and provide rapid separation of especially nucleic acids				
S100NT	8 × 4 mL	479,000 × *g*	77	100 × 4PP seal tube	5720 222 002
S120NT	8 × 2 mL	586,000 × *g*	79	100 × 2PP seal tube	5720 222 001
S140NT	8 × 2 mL	752,000 × *g*	44	100 × 2PP seal tube	5720 222 000

Tubes for large sample volumes. Available in different materials and wall thicknesses to match your analytical needs – from optical clarity in PET tubes to corrosion-resistant, stainless-steel tubes.

Heat-sealing tubes for handling and protecting precious samples. An additional tube sealer and rack is available for heat sealing tubes.

Bottles that are easy to open and close. Available with screw-style cap enclosures for high-speed pelleting.

Technical Specifications

	Micro-Ultracentrifuges	
Model	**Centrifuge CS150FNX**	**Centrifuge CS150NX**
Max. RPM	150,000	
Max. RCF (× *g*)	1,050,000	
Order Nr. 230 V Variant*[3]	5720 121 511	5720 131 511
Order Nr. 120 V Variant, NEMA 5-15 plug*[3]	5720 121 513	5720 131 513
Order Nr. 220 V Variant*[3]	5720 121 501	5720 131 501
Order Nr. 100 V Variant*[3]	5720 121 500	5720 131 500
Power consumption	1,350 W	
Nominal volume	6 × 30 mL	
Noise level	<45 dB(A)	
Acceleration / breaking ramps	9/10 (including coasting)	
Display	Touch-sensitive color LCD panel (6.5 in)	
Timer	1 min. to 99 hrs. and 59 min. with HOLD and RTC (real-time control) function	
Power supply	Single phase: AC 110 V/120 V ±10%, 50/60 Hz, 15 A, Single phase: AC 208/220/230/240 V ±10%, 50/60 Hz, 8 A	
Footprint (W × D)	440 × 520 mm / 17.3 × 28.3 in	590 mm × 582 mm / 23.2 × 22.9 in
Height	910 mm / 35.8 in	408 mm / 16.1 in
Weight (w/o) accessories	105 kg / 231 lbs	97 kg / 214 lbs
Refrigeration	Thermo-module cooling system (HFC-free)	
Temperature control range	0 °C to +40 °C	
Vaccuum system	Oil rotary vacuum pump and oil diffusion pump	
Safety functions	Interlock door, overspeed detection, imbalance detection, over-temperature detection, vacuum detection, power-failure detection, micro-filter (optional)	
Connectivity	USB, LAN (optional)	
Optional software	»Himac View« from Apple® store or Google Play® for remote control »Himac Log Manager« for logging device information	

*[3] For correct installation contact our technical experts

Ensure Top System Performance: Eppendorf Services

We are committed to providing reliable services and tools at your location. This includes a comprehensive range of carefully designed service solutions performed by our dedicated manufacturer-trained and certified Technical Service teams worldwide.

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