



# 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







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# Easy Choice: A Selection of Comprehensive Rotors and Consumables

Rotor	Capacity	Max. speed	K-factor	Included consumable	Order number
	<b>Fixed Angle Rotors:</b> high-speed, 25–45° angle rotors are ideal for pelleting applications				
<b>S50A</b>	6 × 20–30 mL	210,000 × <i>g</i>	61	20 × 25PC thick-walled tube	5720 221 012
<b>S55A2</b>	12 × 1.5 mL	201,000 × <i>g</i>	40	300 × 1.5 mL Micro Tube (C)	5720 221 011
<b>S58A</b>	8 × 0.9–13.5 mL	289,000 × <i>g</i>	50	20 × 10PC thick-walled tube	5720 221 010
<b>S70AT</b>	20 × 0.5 mL	307,000 × <i>g</i>	31	100 × 0.5PC tube	5720 221 009
<b>S80AT2</b>	30 × 0.5 mL	415,000 × <i>g</i>	17	100 × 0.5PC tube	5720 221 007
<b>S80AT3</b>	8 × 1.5–8 mL	358,000 × <i>g</i>	23	100 × 6PC thick-walled tube	5720 221 008
<b>S100AT3</b>	20 × 0.23 mL	541,000 × <i>g</i>	7	100 × 0.23PC tube	5720 221 005
<b>S100AT4</b>	6 × 1.5–4 mL	436,000 × <i>g</i>	16	100 × 3PC tube	5720 221 006
<b>S110AT</b>	8 × 1.5–5 mL	691,000 × <i>g</i>	15	100 × 4PC tube	5720 221 004
<b>S120AT2</b>	10 × 1–2 mL	650,000 × <i>g</i>	8	100 × 1PC tube	5720 221 002
<b>S120AT3</b>	14 × 0.5 mL	650,000 × <i>g</i>	8	100 × 0.5PC tube	5720 221 003
<b>S140AT</b>	10 × 1.5–2 mL	1,050,000 × <i>g</i>	5	100 × 1PC tube	5720 221 001
<b>S150AT</b>	8 × 1–2 mL	901,000 × <i>g</i>	6	100 × 1PC tube	5720 221 000
	<b>Swing Bucket Rotors:</b> allow maximum sedimentation and are ideal for density gradient applications				
<b>S50ST</b>	4 × 6–7 mL	253,000 × <i>g</i>	77	50 × 7PP tube	5720 224 002
<b>S52ST</b>	4 × 0.9–5 mL	276,000 × <i>g</i>	79	100 × 5PP tube	5720 224 001
<b>S55ST</b>	4 × 1–2.2 mL	259,000 × <i>g</i>	44	100 × 2.2PP tube	5720 224 000
	<b>Vertical Angle Rotors:</b> allow short sedimentation distances and provide fast separations				
<b>S120VT</b>	8 × 5 mL	501,000 × <i>g</i>	8	100 × 2PP seal tube	5720 223 000
	<b>Neo-angle rotor:</b> allow steep angles below 25° and provide rapid separation of especially nucleic acids				
<b>S100NT</b>	8 × 4 mL	479,000 × <i>g</i>	77	100 × 4PP seal tube	5720 222 002
<b>S120NT</b>	8 × 2 mL	586,000 × <i>g</i>	79	100 × 2PP seal tube	5720 222 001
<b>S140NT</b>	8 × 2 mL	752,000 × <i>g</i>	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

Model	Micro-Ultracentrifuges	
	Centrifuge CS150FNX	Centrifuge CS150NX
Max. RPM	150,000	
Max. RCF (× g)	1,050,000	
Order Nr. 230 V Variant* <sup>3</sup>	5720 121 511	5720 131 511
Order Nr. 120 V Variant, NEMA 5-15 plug* <sup>3</sup>	5720 121 513	5720 131 513
Order Nr. 220 V Variant* <sup>3</sup>	5720 121 501	5720 131 501
Order Nr. 100 V Variant* <sup>3</sup>	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	
Vacuum 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	

\*<sup>3</sup> 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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