

# Medifuge centrifuge vs. Sorvall ST8 centrifuge

## Compare centrifuges to find the right one for you

Choosing the right centrifuge is crucial for helping maximize efficiency and accuracy in your laboratory. Explore the strengths of both Thermo Scientific™ Medifuge™ and Sorvall™ ST8 centrifuges to determine which model best aligns with your lab's requirements.



Medifuge centrifuge		Sorvall ST8 centrifuge series	
		Performance metrics	
8 x 15 mL (fixed-angle rotor) 8 x 10 mL (swinging-bucket rotor)	Capacity	6 x 50 mL (fixed-angle rotor) 4 x 145 mL (swinging-bucket rotor)	
4,900 rpm (fixed-angle rotor) 4,900 rpm (swinging-bucket rotor)	Maximum speed	16,000 rpm (fixed-angle rotor) 4,500 rpm (swinging-bucket rotor)	
3,114 x g (fixed-angle rotor) 3,490 x g (swinging-bucket rotor)	Maximum RCF	24,328 x g (fixed-angle rotor) 3,260 x g (swinging-bucket rotor)	
		Rotor specifications	
2	Rotor options	12 for ventilated model 14 for refrigerated model	
Knob	Rotor locking system	Thermo Scientific™ Auto-Lock™ system	
		Operational features	
Not available	Refrigeration	Available in ST8R and ST8FR models	
LED	Display	LCD	
4	Programs	4 direct program buttons for ventilated model; 3 direct program buttons, plus 96 additional programs accessible via folder for refrigerated model	
		Physical specifications	
15.5 kg (34.1 lb)	Weight	35 kg (77 lb) for ST8 benchtop model 71 kg (156 lb) for ventilated model 87 kg (191 lb) for refrigerated model	
240 x 325 x 450 mm	Dimensions (H x W x D)	310 x 370 x 480 mm for ST8 benchtop model 310 x 370 x 480 mm for ventilated model 320 x 460 x 670 mm for refrigerated model	

### Key reasons to choose a Medifuge centrifuge:

- **Compact and lightweight:** for labs with limited space, its streamlined design helps ensure that the centrifuge fits comfortably without compromising performance
- **Innovative two-in-one design:** featuring the Thermo Scientific™ DualSpin™ rotor, this centrifuge excels in both routine clinical tasks and advanced life science applications
- **User-friendly rotor locking system:** the simple knob mechanism makes securing the rotor easy and quick

### Key reasons to choose a Sorvall ST8 series centrifuge:

- **Higher capacity and speed:** for high-volume laboratories, the centrifuge offers enhanced efficiency and performance
- **Extensive rotor options:** Thermo Scientific™ HIGHConic™, MicroClick 24, and TX-150 rotors provide exceptional versatility to accommodate a wide range of applications
- **Refrigeration capability:** essential for handling temperature-sensitive samples with precision and care; refrigeration available in ST8R and ST8FR models
- **Expanded program options:** allows for extensive customization, making it suitable for diverse experimental setups and protocols

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