



Centrifugation

Thermo Scientific M Series Centrifuges

Fast acceleration and exceptional precision


Designed to support the pace and precision of modern laboratories, the Thermo Scientific™ M Series Centrifuges help deliver powerful performance in a compact footprint. These centrifuges fit easily into your workflow, while standing out for their reliability, safety, and ease of use.

The refrigerated models feature Thermo Scientific™ GreenCool™ Technology, a next-generation natural refrigerant cooling system for enhanced sustainability.

Choose from seven optional rotors to find an ideal fit for your application, with two speed options and a choice of ventilated or refrigerated models. Intuitive controls, easy-to-read displays, and fast one-click centrifuge lid closure simplify daily operation, while rapid acceleration and deceleration help ensure efficient performance. Lightweight engineered polymer rotors deliver outstanding corrosion resistance, complemented by ergonomic one-click rotor opening and closing. Transparent rotor design enhances safety, supported by certified Thermo Scientific™ ClickSeal™ biocontainment lids, and a dual-row rotor reduces the need for adapters altogether.

Thermo Scientific™ features

- Intuitive user interface**
- Wide range of rotors for application flexibility**
- GreenCool Technology (refrigerated models)**
- Rapid acceleration and deceleration (up to 21,100 x g in ~12 seconds)**
- Thermo Scientific™ ClickSeal™ Biocontainment Lids**
- Reduced spin times (up to 20% faster for high-end research applications)**
- IVD or general use centrifuge model**



GREEN COOL
TECHNOLOGY
& SUSTAINABILITY



GLOBAL WARMING POTENTIAL*

3

LOWER ENERGY CONSUMPTION UP TO**

15%

MADE IN A CERTIFIED ZERO-WASTE FACILITY***

END-OF-LIFE RECYCLING PROGRAM****

* Due to natural refrigerant (R600a)

**Energy use measured for a 1-hour run at maximum spin speed and compared to previous model. Previous model: Sorvall Legend Micro 21R

*** Zero waste defined as less than 10% of non-hazardous waste sent to landfill, incineration or waste-to-energy

**** End of life recycling program in the United States. Visit thermofisher.com/centrifuge-recycling

Thermo Scientific™ M Series Centrifuges



Specifications	M17 Series	M21 Series
Max RCF	17,000 xg	21,100 xg
Max speed	13,300 rpm	14,800 rpm
Max noise level	MT 17: <54db(A)(Rotor 24x2ml; 13300 RPM) MTR 17: <48db(A)(Rotor 24x2ml; 13300 RPM)	MT 21: <56db(A)(Rotor 24x2ml; 14800 RPM) MTR 21: <56db(A)(Rotor 24x2ml; 14800 RPM)
Weight	MT 17/MT 21: 120V/230V 11 kg; 100V: 12kg	MTR 17/MTR 21: 120V 24 kg; 230V 24kg/25kg 100V: 25kg
Acceleration/deceleration rates	11/12 seconds (ventilated); 10/12 seconds (refrigerated)	
Time set range	1 min - 99 min; 1 min increments + HOLD mode	
Temperature range⁴	Set from -9 °C to +40 °C per 1 °C increment	
Certifications	CSA certified, CE marked, IVD compliant, Certified biocontainment ¹	
Technical standards	IEC 61010-1, IEC 61010-2, IEC 61010-020	
Warranty	2 years	
Dimensions (H X W x D)		
MT 17 and MT 21	225 x 243 x 352 mm (8.86 x 9.56 x 13.8 in)	
MTR 17 and MTR 21	330 x 290 x 440 mm (12.9 x 11.4 x 17.3 in)	

¹Biocontainment certification by Public Health England, Porton Down, UK. ⁴M17 series centrifuges only.

Ordering information	MT 17		MT 21		MTR 17		MTR 21	
	IVD-MD	General Use Only	IVD-MD	General Use Only	IVD-MD	General Use Only	IVD-MD	General Use Only
120 V, 50/60 Hz	75002576	N/A	75002579	N/A	75002588	N/A	75002591	N/A
230 V, 50/60 Hz	75002577	75002571	75002580	75002574	75002589	75002583	75002592	75002586
100 V, 50/60 Hz	N/A	N/A	75002581	75002575	N/A	N/A	75002593	75002587
230 V, 60 Hz for USA only	N/A	N/A	N/A	N/A	75002597	N/A	75002599	N/A

All part numbers include a 24 x 1.5/2 mL rotor

Application package	Voltage	Accessories included	IVD-MD or General use	Cat. No
Everylab centrifuge package MT 21	120V	incl. 24 x 1.5/2 mL rotor, Thermo Scientific™ Finnpiptette™ F2 GLP Kit 2: • Single-channel 0.2-2 µL, 2-20 µL, 20-200 µL and 100-1,000 µL pipettes • Flex tips: 10 micro: 1 x 96; 200: 2 x 96; 1000: 1 x 96 • F-stand • Reagent reservoir demo pack and • 1.5 Snap Cap Low Retention microcentrifuge tubes, full case (5,000 tubes)	General use	75002532
Everylab centrifuge package MTR 21		incl. 24 x 1.5/2 mL rotor, Thermo Scientific™ Finnpiptette™ F2 GLP Kit 2: • Single-channel 0.2-2 µL, 2-20 µL, 20-200 µL and 100-1,000 µL pipettes • Flex tips: 10 micro: 1 x 96; 200: 2 x 96; 1000: 1 x 96 • F-stand • Reagent reservoir demo pack and • 1.5 Snap Cap Low Retention microcentrifuge tubes, full case (5,000 tubes)	General use	75002533
MT 17	230 V, 50/60 Hz	includes hematocrit rotor	IVD	75002578
MT 17	120 V, 50/60 Hz	includes hematocrit rotor	IVD	75002598
MT 21	120 V, 50/60 Hz	includes 24 x 1.5/2.0 mL rotor and 18x2 0/0.5 mL rotor	IVD	75002584
MTR 21	230 V, 50/60 Hz	includes 24 x 1.5/2.0 mL rotor and 18x2 0/0.5 mL rotor	General use	75002596
MTR 21	120 V, 50/60 Hz	includes 24 x 1.5/2.0 mL rotor and 18x2 0/0.5 mL rotor	IVD	75002590
MTR 21	230 V, 50/60 Hz	includes 24 x 1.5/2.0 mL rotor and 18x2 0/0.5 mL rotor	IVD	75002594

 Learn more at thermofisher.com/centrifuges

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