ThermoFisher SCIENTIFIC



Centrifugation

C Series Centrifuges

Compact power for separation excellence

thermo scientific

C Series Centrifuges

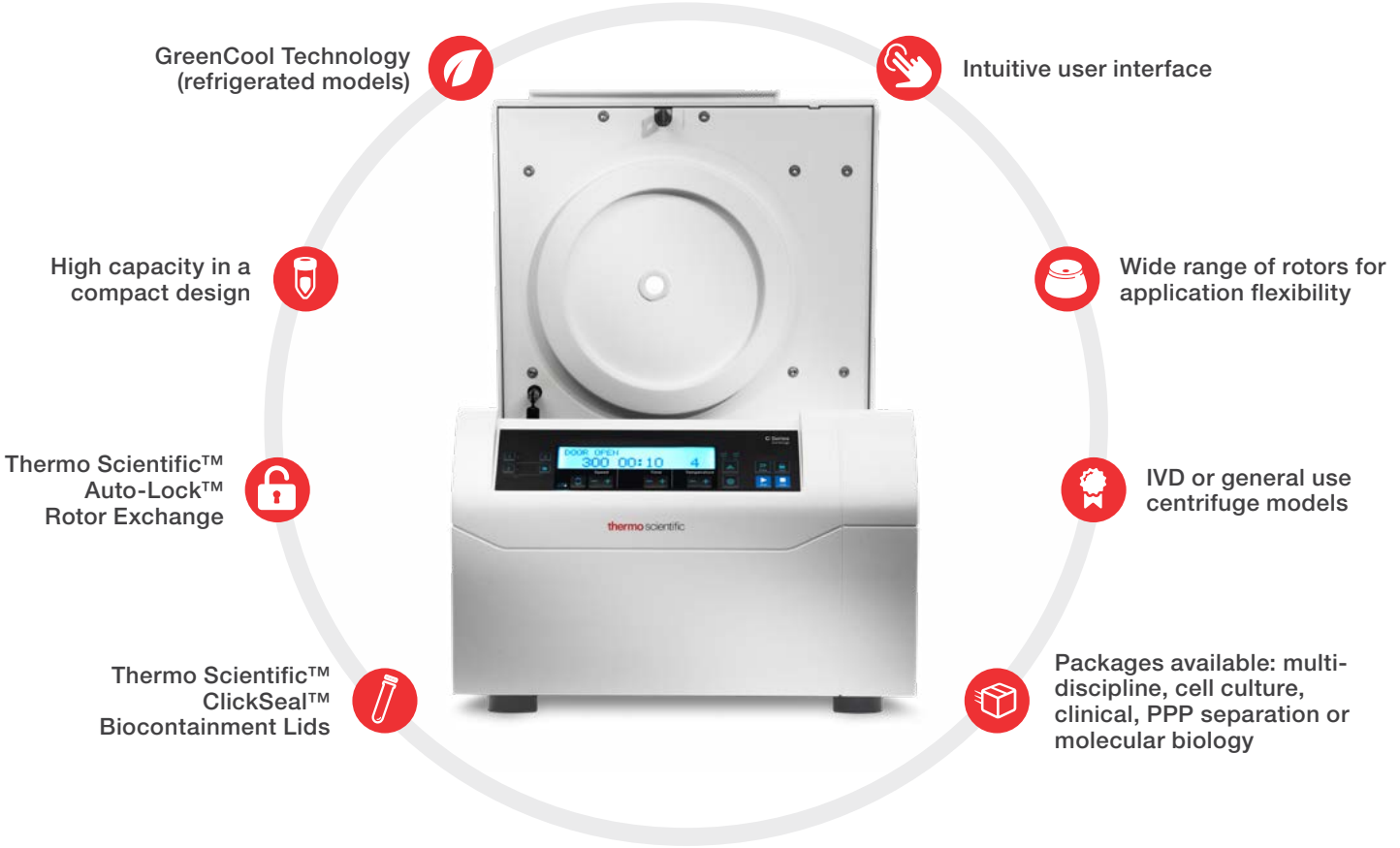
Exceptional capacity in a compact design

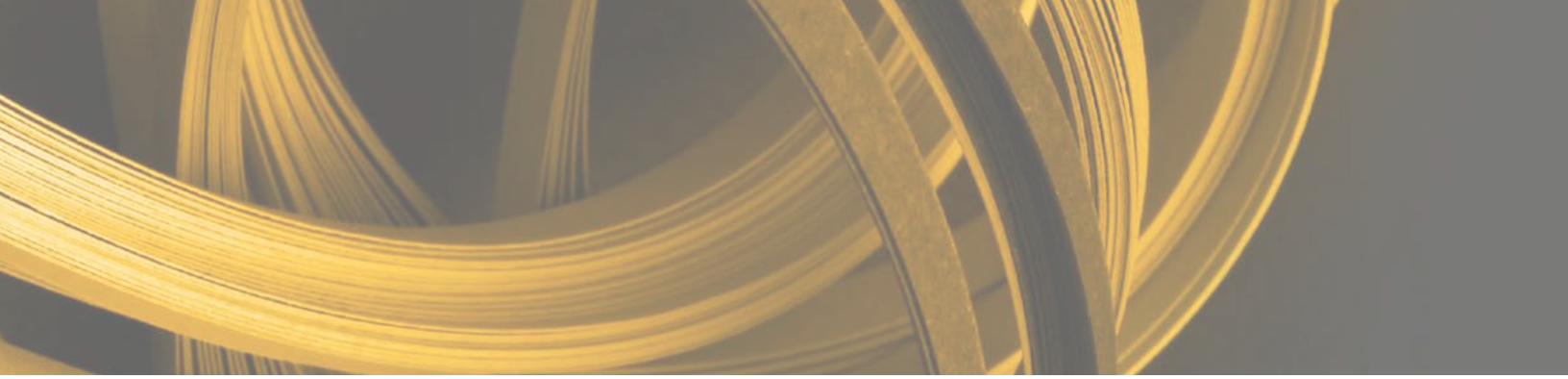


The Thermo Scientific™ C Series Centrifuges are designed for clinical and research applications, offering exceptional capacity in a compact design. The centrifuges are available as ventilated or refrigerated models.

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

With a fixed-angle rotor RCF (Relative Centrifugal Force) up to 30,279 x g and a swinging bucket rotor RCF up to 3,260 x g, the C Series Centrifuges are capable of handling even the toughest separations. The maximum capacity of the fixed-angle rotors is 6 x 50 mL, while the swinging bucket rotors can accommodate up to 4 x 145 mL. These centrifuges combine a compact design with an intuitive interface and the flexibility to support numerous applications.





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Greener by design™

Sustainability aspects

We leverage the power of innovation to positively contribute to a healthier world, which includes reducing the environmental impact of our products and packaging—from design to end of life. By incorporating environmental sustainability principles into each design step, we can better understand and reduce the environmental impact of our products early in the design process, helping to ultimately deliver on our commitment to achieve net-zero emissions by 2050 while helping customers advance their sustainability goals.

Greener by design: We integrate Design for Sustainability into our product development to reduce environmental footprint without compromising quality. Our strategy targets five areas: less hazardous, less waste, more energy efficient, responsibly packaged, and extended life.

C Series Centrifuges with GreenCool technology deliver powerful performance combined with more sustainable innovation. Featuring a next-generation natural refrigerant (R290) cooling system, it reduces environmental impact with a Global Warming Potential (GWP) of 3, while not contributing to depletion of the ozone layer and is compliant with EU and US EPA F-gas regulations. In addition to being **less hazardous**, the centrifuges are **more energy efficient**. In the United States, we offer a **recycling program**. Furthermore, they are **manufactured in a certified zero-waste facility*** using 100% renewable electricity** in Osterode am Harz, Germany.

Global Warming Potential = 3*

Up to 15.7% lower energy consumption**

Made in a certified zero-waste facility***

Recycling program****



Less hazardous



More energy efficient



Extended life

* Due to natural refrigerant (R290)

**Energy use measured for a 1-hour cycle (30 min run and 30 min lid closed) at 4,500 rpm with TX-150 rotor at 4°C and compared to previous model (230 V). Previous model: Thermo Scientific™ Sorvall™ ST8R Centrifuge (750 W). New model: Thermo Scientific C1TR Centrifuge (650 W)

*** 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



Models

Designed for reliable performance

Key differences between C1T, C1TR and C1FR models

	Thermo Scientific™ C1T Centrifuge	Thermo Scientific™ C1TR Centrifuge	Thermo Scientific™ C1FR Centrifuge
Description	Designed for clinical and research applications with exceptional capacity in a compact design.	Designed for clinical and research applications for temperature sensitive samples. Green-Cool technology offers more sustainable cooling and reduced energy consumption. Exceptional capacity in a compact design and high performance with up to 30,279 x g for microliter samples.	Floor-standing compact option with exceptional capacity, designed for clinical and research applications and temperature-sensitive samples. GreenCool technology offers more sustainable cooling and reduced energy consumption. High performance with up to 30,279 x g for microliter samples.
			
Fixed angle rotors			
Maximum g-force	24,328	30,279	30,279
Maximum RPM	16,000	17,850	17,850
Maximum capacity	6 x 50 mL	6 x 50 mL	6 x 50 mL
Swinging bucket rotors			
Maximum g-force	3,260	3,260	3,260
Maximum RPM	4,500	4,500	4,500
Maximum capacity	4 x 145 mL	4 x 145 mL	4 x 145 mL
Screen	LCD display	LCD display	LCD display
Number of programs	4 programs	3 direct program buttons, plus 96 additional programs accessible via folder	
Rotor options	11	13	
Sustainability features	-	GreenCool technology	
Temperature range	-	-10 °C to 40 °C	

Features

High capacity

Maximized swing-out capacity

Process up to 8 x 50 mL conical tubes, 24 x 5/7 mL blood tubes, microplates and microtubes, all in one versatile centrifuge.

Fixed angle flexibility

Spin 50 mL conical tubes at over 12,000 x g or a wide range of microtubes at speeds up to 30,279 x g.

Optimize bench space with **maximized capacity**:

- 48 microtubes, 8 x 50 mL conical tubes or 4 microplates for research needs
- Micro-volume rotor portfolio supports 0.2, 0.25, 0.5, 1.5, 2.0, 5.0 mL microtubes and spin columns
- Clinical processing up to 24 x 5/7 mL blood tubes per run



Thermo Scientific™ TX-150 Swinging Bucket Rotor with Conical Buckets



Thermo Scientific™ HIGHConic™ III Fixed Angle Rotor

Rotor exchange

Thermo Scientific™ Auto-Lock™ Rotor Exchange

Helps save time for fast results:

- Secure, ergonomic push-button rotor exchange in as little as three seconds
- Trouble-free installation and removal with no tools required
- Full chamber access for cleaning convenience and helps minimize the risk of contamination
- Flexibility to quickly switch between applications and evolve with changing laboratory needs



Biocontainment lids



Thermo Scientific™ ClickSeal™ Biocontainment Lids

One-handed sample protection

- Biocontainment sealing options for glove-friendly, one-handed open/close capability are ergonomically designed for both right and left-handed operations
- Easy operation for all laboratory users, eliminating multi-turn screw caps and complicated high pressure clips
- Biocontainment certification by National Institute for Health Protection, Porton Down, UK or TÜV NORD CERT GmbH, Germany
- Audible and visual closure cues enhance safety and security

User interface



User-friendly LCD interface

- One-touch operation with pre-saved protocols
- Highly visible backlit display for easy reading of parameters across the lab
- Optional indicators at end of run, including automatic lid opening, full flashing display and adjustable audible signal
- Glove- and detergent-friendly
- Multilingual instructions–English, Dutch, French, German, Italian, Russian and Spanish—on programming, run conditions, alerts and service messages

Expanded programming options

- Store up to 99 pre-saved protocols
- Alphanumeric program naming, of up to 12 characters, promotes correct program selection every time
- Program-only mode limits the control of the centrifuge to the set program and the control quadrant (Start, Stop, Pulse and Open), well suited for controlled environments

Rotor options for application flexibility

Up to 13 rotor options for the C series centrifuges support application flexibility for clinical and research workflows. C series centrifuges can accommodate 145 mL bottles, tubes as well as microplate, PCR strips and capillaries.

Choose the Thermo Scientific™ TX-150 Rotor with Round Buckets for the highest flexibility of the C series and the Thermo Scientific™ MicroClick 24 x 2 Rotor for the highest speed with these centrifuges.



C series for clinical applications

- Runs up to 24 x 5/7 mL blood tubes at a time in swinging bucket configuration
- Auto-Lock rotor exchange helps simplify cleaning
- Conforms to the latest clinical and safety standards
- Platelet-poor plasma separation in only one minute

Clinical applications

- Clinical chemistry
- Clinical microbiology
- Hematology
- Immunology
- Clinical studies





C series for research applications

- 8 x 50 mL conical tubes, 4 microplates, 48 microtubes, or 30 spin columns for research needs
- Auto-Lock rotor exchange for application flexibility — go from 50 mL tube to microplates to microtubes effortlessly
- Up to 30,279 x g high-speed microliter performance for quick spins and improved separations for a wide range of applications



Research applications

- Cellular biology
- Microbiology
- Genomics / molecular biology
- Proteomics
- Biochemistry
- Pharmaceutical studies



IVD or general purpose centrifuge models

Compliant with global standards

- Manufactured with quality materials providing broad chemical resistance with exceptional strength for durability and reliability
- Conforms to the latest clinical and safety standards

Application packages

Multi-discipline package

4x 50 mL | 8x 15 mL | 24x 2 mL | 2x plate



Application package	Voltage	Accessories included	Cat. No.
C1T ventilated centrifuge (IVD-MD) Multi-Discipline Package	120 V	• TX-150 rotor (75005701) – TX-150 round buckets (set of 4) (75005702) – TX-150 ClickSeal biocontainment lids (set of 4) (75005707) – Adapters 50 mL conical (set of 4) (75005736) – Adapters 15 mL conical (set of 4) (75005737) • HIGHConic III rotor (75005709) • Thermo Scientific™ M10 Microplate Rotor (75005706) – Sealed buckets (set of 2) (7500572) • Thermo Scientific™ MicroClick 24 x 2 Rotor (75005715)	50173670
C1TR refrigerated centrifuge (IVD-MD) Multi-Discipline Package			50172635
C1TR refrigerated centrifuge (IVD-MD) Multi-Discipline Package	230 V		50172636

High-capacity cell culture package

8x 50 mL | 8x 15 mL



Application package	Voltage	Accessories included	Cat. No.
C1T ventilated centrifuge (IVD-MD) High-Capacity Cell Culture Package	120 V	• TX-150 rotor (75005701) – TX-150 conical buckets (set of 4) (75005703) – Adapters 15 mL (set of 8) (75005808)	50172620
C1TR refrigerated centrifuge (IVD-MD) High-Capacity Cell Culture Package			50172637
C1T ventilated centrifuge (IVD-MD) High-Capacity Cell Culture Package	230 V		50172615
C1TR refrigerated centrifuge (IVD-MD) High-Capacity Cell Culture Package			50172638

Cell culture package

4x 50 mL | 8x 15 mL



Application package	Voltage	Accessories included	Cat. No.
C1T ventilated centrifuge (IVD-MD) Cell Culture Package	120 V	• TX-150 rotor (75005701) – TX-150 round buckets (set of 4) (75005702) – TX-150 ClickSeal biocontainment lids (set of 4) (75005707) – Adapters 50 mL conical (set of 4) (75005736) – Adapters 15 mL conical (set of 4) (75005737)	50172616
C1TR refrigerated centrifuge (IVD-MD) Cell Culture Package			50172639
C1T ventilated centrifuge (IVD-MD) Cell Culture Package	230 V		50172617
C1TR refrigerated centrifuge (IVD-MD) Cell Culture Package			50172640

48 x 2 package

48x 2 mL



Application package	Voltage	Accessories included	Cat. No.
C1TR refrigerated centrifuge (IVD-MD) 48 x 2 Rotor Package	120 V	• Thermo Scientific™ Microliter 48 x 2 rotor (75003602)	50173671

Routine clinical package

24x 5/7 mL

16x 10/12/13 mL



Image: C1T model



Application package	Voltage	Accessories included	Cat. No.
C1T ventilated centrifuge (IVD-MD) Routine Clinical Package	120 V	• TX-150 rotor (75005701) – TX-150 round buckets (set of 4) (75005702) – TX-150 ClickSeal biocontainment lids (set of 4) (75005707) – Adapters 5/7 mL blood collection (set of 4) (75005739) – Adapters 10/12 mL blood collection or 13 mL urine (set of 4) (75003504)	50172618
C1TR refrigerated centrifuge (IVD-MD) Routine Clinical Package			50172641
C1T ventilated centrifuge (IVD-MD) Routine Clinical Package	230 V		50172619
C1TR refrigerated centrifuge (IVD-MD) Routine Clinical Package			50172642

PPP separation package

6x 5/7 mL



Application package	Voltage	Accessories included	Cat. No.
C1T ventilated centrifuge, (IVD-MD) PPP Separation Package	120 V	• HIGHConic III rotor (75005709) – Adapters 5/7 mL blood collection (set of 6) (75005805)	50172600

Molecular biology package

4x 50 mL

8x 15 mL

24x 2 mL



Image: C1T model



Application package	Voltage	Accessories included	Cat. No.
C1T ventilated centrifuge (IVD-MD) Molecular Biology Package	120 V	• TX-150 rotor (75005701) – TX-150 round buckets (set of 4) (75005702) – TX-150 ClickSeal biocontainment lids (set of 4) (75005707) – Adapters 50 mL conical (set of 4) (75005736) – Adapters 15 mL conical (set of 4) (75005737) • MicroClick 24 x 2 rotor (75005715)	50172621
C1TR refrigerated centrifuge (IVD-MD) Molecular Biology Package			50172645
C1T ventilated centrifuge (IVD-MD) Molecular Biology Package	230 V		50172622
C1TR refrigerated centrifuge (IVD-MD) Molecular Biology Package			50172646

Microplate package

2x plate



Application package	Voltage	Accessories included	Cat. No.
C1T ventilated centrifuge (IVD-MD) Microplate Package	120 V	• M10 Microplate rotor (75005706) – Sealed buckets (set of 2) (75005721)	50173668
C1T ventilated centrifuge (IVD-MD) Microplate Package	230 V		50173669

M-10 microplate and MicroClick 30 x 2 package

2x plate

30x 2 mL



Application package	Voltage	Accessories included	Cat. No.
C1TR refrigerated centrifuge (IVD-MD) M10 and 30 x 2 ml Rotor Package	120 V	• M10 Microplate rotor (75005706) – Sealed buckets (set of 2) (75005721) • Thermo Scientific™ MicroClick 30 x 2 Rotor (75005719)	50173672

Swinging bucket rotors



Thermo Scientific™ TX-150 Swinging Bucket Rotor
90°, Rmax 144 mm

Designed for a broad range of high-speed, high-capacity swing-out processing needs, with a capacity of 24 x 5/7 mL blood tubes per run and flexibility with a wide range of adapters.

Stand out feature
Certified sample protection with ClickSeal biocontainment lids.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T, C1TR, C1FR	4,500	3,260

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
Rotors and accessories			
TX-150 rotor cross with SlideCoat			75005701
Conical buckets (set of 4)	8 x 50	29.5 x 120	75005703
Round buckets (set of 4)	4 x 145	50 x 100	75005702
ClickSeal biocontainment lids for round buckets (set of 4) ☣			75005707
Replacement O-Rings for lids (set of 4)			75005724
Adapters for conical buckets (sets of 2)			
50 mL conical tube	8 x 50	29.5 x 120	Direct fit
50 mL round bottom tube	8 x 50	30 x 115	Direct fit
38 mL round bottom	8 x 38	25.5 x 110	75005802
16 mL round bottom	8 x 16	18 x 123	75005803
15 mL conical tube	8 x 15	17 x 123	75005808
12 mL round bottom	8 x 12	16 x 95	75005804
6.5 mL round bottom	8 x 6.5	13.5 x 114	75005805
5 mL conical microtube	8 x 5	17 x 100	75005770
3.5 mL round bottom	16 x 3.5	11 x 100	75005806
1.5/2 mL microtube	16 x 2	11 x 40	75005807
Adapters for round buckets (sets of 4)			
145 mL bottle (75005734)	4 x 145	50 x 100	Direct fit
100 mL round bottom open-top tube	4 x 100	45 x 117	75005735
50 mL round bottom tube[2]	4 x 50	35 x 115	75005735
50 mL conical or skirted tube	4 x 50	29.5 x 120	75005736
30 mL Thermo Scientific™ Sterilin™ Universal Container	4 x 30	25 x 120	75005744
15 mL conical tube	8 x 15	17 x 122	75005737
11 mL IVF tube	8 x 11	17 x 122	75005737
13 mL tube	16 x 13	17 x 110	75003504
12 mL blood collection tube (Greiner™)	16 x 12	17 x 110	75003504
10 mL blood collection or 15 mL Corex™/Kimble™ Tube	16 x 15	17 x 110	75003504
5/7mL mL blood collection tube	24 x 5/7	13 x 110	75005739
3/5 mL blood collection tube	28 x 3/5	13 x 110	75005740
3/5 mL cryotube	28 x 3/5	13 x 110	75005740
1.5/2 mL microtube (or Microtainer™ tube)	40 x 2	11 x 65	75005743

[1] Rotor, buckets and lids sold separately.
[2] Used together with adapter 75007542
☣ Biocontainment certification by Public Health England, Porton Down, UK or TÜV NORD CERT GmbH, Germany.

TX-150 swinging bucket rotor packages



Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
Cell Culture Rotor Package INCLUDES: • TX-150 rotor (75005701) • Round buckets (75005702) • Adapters for 50 mL conical tubes (75005736)	4 x 50	29.5 x 120	75005760
High Capacity Cell Culture Rotor Package INCLUDES: • TX-150 rotor (75005701) • Conical buckets (75005703) • Adapters for 15 mL conical tubes (75005808, set of 4)	8 x 50	18 x 124	75005761
Clinical Rotor Package INCLUDES: • TX-150 rotor (75005701) • Round buckets (75005702) • ClickSeal biocontainment lids (75005707) • Adapters for blood collection tubes: 5/7 mL (75005739) • Adapters for blood collection tubes: 10 mL (75003504)	24 x 5/7	18 x 124	75005762



TX-100S rotor with sealed carriers

TX-100 rotor

Thermo Scientific™ TX-100S/TX100 Clinical Rotors
90°, Rmax 144 mm

Dedicated for routine clinical samples processing.

Stand out feature
Capacity of 16 tubes per run or spin 8 tubes with biocontainment sealing option.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T, C1TR, C1FR	4,500	3,260

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
TX-100S clinical swinging bucket rotor with sealed carriers, 90°, Rmax 144 mm	8 x 15	17 x 106	75005704
TX-100 clinical swinging bucket rotor with carriers, 90°, Rmax 144 mm	16 x 15	17 x 121	75005705
Adapters for TX-100/TX-100S clinical rotors (each)			
13 mL urine tube (TX-100 only)	16/8 x 13	17 x 110	Direct fit
10mL blood collection tube	16/8 x 10	16 x 100	Direct fit
Sterilin urine tube (TX-100 only)	16/8 x 13	16 x 110	75008817
Sarstedt™ blood tube (TX-100 only)	16/8 x 10	16 x 75	75008818
5/7 mL BD Hemogard™/BD Vacutainer™ Tube	16/8 x 5/7	13 x 110	11172596
5 mL BD Hemogard tube	16/8 x 5	13 x 75	11172595
1.5/2 mL microtube (or Microtainer™ tube)	16/8 x 1.5/2	10 x 41	11172288



Thermo Scientific™ M10 Microplate Rotor
90°, Rmax 119 mm

Centrifuge 4 microplates or 2 midi-deepwell plates, ideally suited for quick spins. Spin up to 4 standard microplates with optional certified1 ClickSeal biocontainment lids.

Stand out feature
Transportable microplate carriers, complemented by Auto-Lock rotor exchange.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T, C1TR, C1FR	4,400	2,576

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
M10 rotor cross with SlideCoat			75005706
Unsealed buckets (set of 2)	4 Standard or 2 Deepwell	Height < 33 mm	75005723
Sealed buckets (set of 2) Rmax 109mm	4 Standard or 2 Deepwell	Height < 33 mm	75005721



Thermo Scientific™ MT-12 Rotor
90°, Rmax 87 mm

Design capable of spinning up to 12 x 1.5/2 mL microtubes and filtration columns, ideal for small-volume research applications.

Stand out feature
Individual swinging bucket rotors for centralized pellets within tubes.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T, C1TR, C1FR	13,000	16,438

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
MT-12 rotor cross with SlideCoat	12 x 2	11 x 50	75005600
Replacement ClickSeal biocontainment lid (each)			75005730
Replacement sealings (set of 2 with grease)			75005726



Fixed angle rotors



Thermo Scientific™ HIGHConic™ III Rotor
45°, Rmax 120 mm

High g-force fixed angle rotor for efficient sample separations.

Stand out feature
Perform platelet poor plasma tests in as little as 1 minute.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T	8,700	10,155
C1TR, C1FR	9,500	12,108

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
HIGHConic III rotor	6 x 50	30 x 121	75005709
Replacement lid (each)			75005731
Replacement sealings (set of 2 with grease)			75003058
Adapters for HIGHConic III rotor (set of 2)			
50 mL round bottom tube and 50 mL conical bottom tube	6 x 50	30 x 115	Direct fit
38 mL round bottom tube	6 x 38	25.5 x 110	75005802
16 mL round bottom tube	6 x 16	18 x 123	75005803
15 mL conical tube	6 x 15	17 x 123	75005808
12 mL round bottom tube	6 x 12	16 x 95	75005804
6.5 mL round bottom tube	6 x 6.5	13.5 x 114	75005805
5 mL conical microtube	6 x 5	17 x 100	75005770
3.5 mL round bottom tube	12 x 3.5	11 x 100	75005806
1.5/2 mL microtube	12 x 2	11 x 40	75005807



Thermo Scientific™ 8 x 50 mL Individually Sealed Rotor
25°, Rmax 143 mm

Designed for high-risk sample processing for a range of clinical and research tubes.

Stand out feature
Individual sealed canisters for high-risk samples.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T	-	-
C1TR, C1FR	5,600	5,014

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
8 x 50 mL individually sealed rotor	8 x 50 sealed	30 x 115	75003694
Replacement biocontainment lids (set of 2)			75003011
Replacement O-ring kit			75003789
Adapters for 8 x 50 mL individually sealed rotor (set of 2)			
50 mL round bottom tube	8 x 50	30 x 115	Direct fit
38 mL round bottom tube	8 x 38	25.5 x 110	75005802
16 mL round bottom tube	8 x 16	18 x 123	75005803
15 mL conical tube	8 x 15	17 x 123	75005808
12 mL round bottom tube	8 x 12	16 x 95	75005804
6.5 mL round bottom tube	8 x 6.5	13.5 x 114	75005805
5 mL conical microtube	8 x 5	17 x 100	75005770
3.5 mL round bottom tube	16 x 3.5	11 x 100	75005806
1.5/2 mL microtube	16 x 2	11 x 40	75005807



Thermo Scientific™ CLINIConic™ Rotor
37°, Rmax 140 mm

Spin 30 blood tubes or 15 mL conicals in a fixed angle configuration with fast acceleration to optimize blood separation applications.

Stand out feature
Auto-Lock rotor exchange for excellent ease of use.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T, C1TR, C1FR	4,400	3,030

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
CLINIConic rotor	30 x 15	16.5 x 131	75003623
Adapters for CLINIConic rotor (each)			
15 mL round/conical bottom tube	30 x 15	16.5 x 131	Direct fit
10 mL round bottom tube	30 x 10	16.5 x 95	75008817
5/7 mL BD Hemogard/ BD Vacutainer tube	30 x 5/7	13 x 106	11172596
5 mL BD Hemogard tube	30 x 5	13 x 75	11172595



Thermo Scientific™ MicroClick 18 x 5 Rotor
Rmax 102 mm

18-place capacity for 5.0 mL microtubes for high throughput and over 22,000 x g to reduce run times.

Stand out feature
Lightweight and ergonomic ClickSeal biocontainment lid allows sample viewing.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T	-	-
C1TR, C1FR	14,000	22,351

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
MicroClick 18 x 5 rotor	18 x 5	17 x 62	75005765
Sealing set			75005726
Rubber seal grease			76003500
Adapters for MicroClick 18 x 5 rotor (set of 2)			
1.5/2 mL microtube	18 x 1.5/2	11 x 45	75005756





Thermo Scientific™ Microliter 48 x 2 Rotor
45°, Rmax 98 mm

Capable of supporting micro-volume protocols, such as nucleic acid preparation, PCR reaction set-up and filtration columns, choose from the complete micro-volume rotor portfolio.

Stand out feature
Maximize throughput with 48-place microliter rotor.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T	11,800	15,256
C1TR, C1FR	12,900	18,233

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
Microliter 48 x 2 rotor	48 x 1.5/2	11 x 45	75003602
Replacement biocontainment lid (each)			70904727
Replacement O-Ring for lid (each)			75003349
Adapters for Microliter 48 x 2 rotor (set of 30)			
0.2 mL PCR tube	48 x 0.2	6.5 x 20	75005752
0.5 mL microtube	48 x 0.5	8 x 44	75005753
0.25 mL microtube	48 x 0.25	6 x 46	75005754



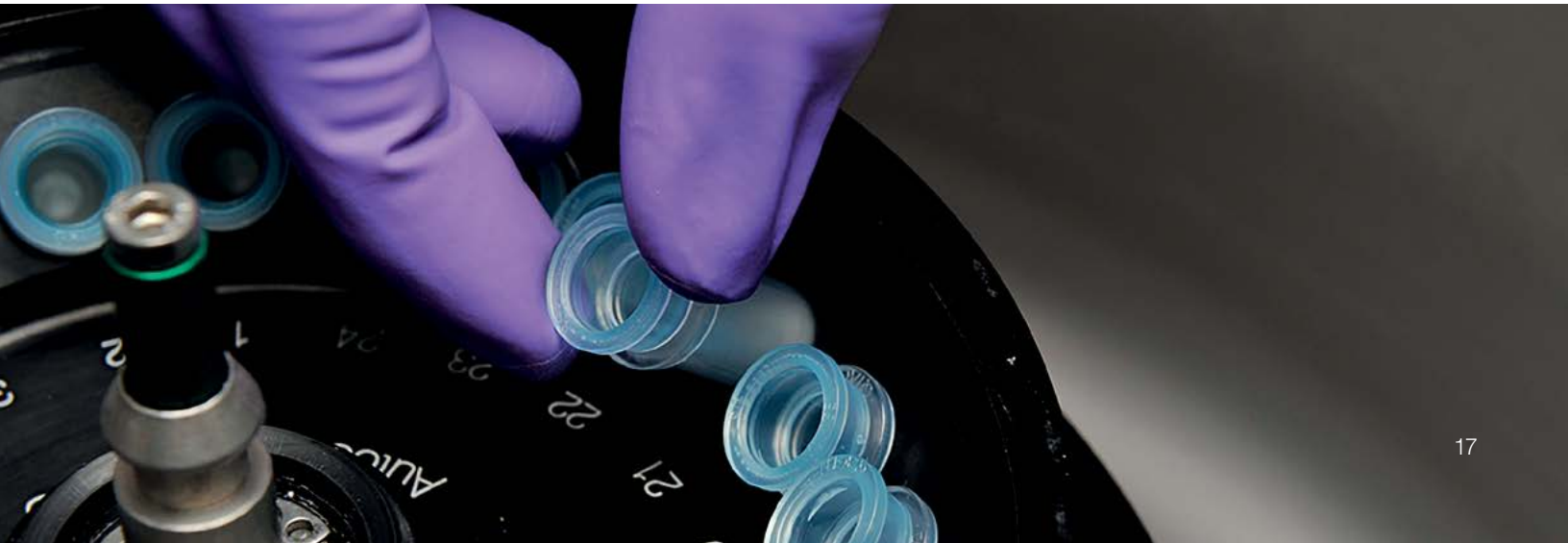
Thermo Scientific™ MicroClick 30 x 2 Rotor
45°, Rmax 99 mm

Capable of supporting micro-volume protocols, such as nucleic acid preparation, PCR reaction set-up and filtration columns, choose from the complete micro-volume rotor portfolio.

Stand out feature
High-rim design of the MicroClick 30 x 2 rotor supports spin columns with open caps.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T, C1TR, C1FR	14,000	21,694

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
MicroClick 30 x 2 rotor	30 x 1.5/2	11 x 45	75005719
Replacement ClickSeal biocontainment lid (each)			75005730
Replacement O-Ring for lid (each)			75005726
Adapters for MicroClick 30 x 2 rotor (set of 30)			
0.2 mL PCR tube	30 x 0.2	6.5 x 20	75005752
0.5 mL microtube	30 x 0.5	8 x 44	75005753
0.25 mL microtube	30 x 0.25	6 x 46	75005754





Thermo Scientific™ MicroClick 24 x 2 Rotor
45°, Rmax 85 mm

Capable of supporting micro-volume protocols, such as nucleic acid preparation, PCR reaction set-up and filtration columns, choose from the complete micro-volume rotor portfolio.

Stand out feature
Run 24 x 2 mL samples at 30,279 x g.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T	16,000	24,328
C1TR, C1FR	17,850	30,279

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
MicroClick 24 x 2 rotor	24 x 1.5/2	11 x 45	75005715
Replacement ClickSeal biocontainment lid (each)			75005725
Replacement O-Ring for lid (each)			75003405
Adapters for MicroClick 24 x 2 rotor (set of 30)			
0.2 mL PCR tube	48/30/24 x 0.2	6.5 x 20	75005752
0.5 mL microtube	48/30/24 x 0.5	8 x 44	75005753
0.25 mL microtube	48/30/24 x 0.25	6 x 46	75005754



Thermo Scientific™ 8 x 8 PCR Strip Rotor
45°, Rmax 71 mm

Capable of supporting micro-volume protocols, such as nucleic acid preparation, PCR reaction set-up and filtration columns, choose from the complete micro-volume rotor portfolio.

Stand out feature
Process up to 8 PCR strips with certified[1] sample protection.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T, C1TR, C1FR	15,000	17,860

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
MicroClick 30 x 2 rotor	8 x 8 PCR strips	n/a	75005720
Replacement ClickSeal biocontainment lid (each)			75005730
Replacement O-Ring for lid (each)			75005726



Thermo Scientific™ Hematocrit Rotor
90°, Rmax 85 mm

Achieve red blood cell capillary separations.

Stand out feature
Auto-Lock rotor exchange for exceptional ease of use.

Centrifuge	Maximum speed (rpm)	Maximum RCF (x g)
C1T, C1TR, C1FR	13,300	16,810

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
Hematocrit rotor	24 capillaries	n/a	75005733
Capillaries (pack of 100)			76000923
Sealing kit			75000964

[1] Biocontainment certification by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK or TÜV NORD CERT GmbH, Germany

Specifications and ordering information







Specifications		C1T Centrifuge	C1TR Centrifuge	C1FR Centrifuge
Swinging bucket rotors	Max capacity	4 x 145 mL (with TX-150 rotor)	4 x 145 mL (with TX-150 rotor)	
	Max speed	4,500 rpm (with TX-150 rotor)	4,500 rpm (with TX-150 rotor)	
	Min speed	300 rpm (with TX-150 rotor)	300 rpm (with TX-150 rotor)	
	Max RCF	3,260 x g (with TX-150 rotor)	3,260 x g (with TX-150 rotor)	
Fixed angle rotors	Max capacity	6 x 50 mL (with HIGHConic rotor)	6 x 50 mL (with HIGHConic rotor)	
	Max speed	16,000 rpm (with MicroClick 24 rotor)	17,850 rpm (with MicroClick 24 rotor)	
	Min speed	300 rpm (with MicroClick 24 rotor)	300 rpm (with MicroClick 24 rotor)	
	Max RCF	24,328 x g (with MicroClick 24 rotor)	30,279 x g (with MicroClick 24 rotor)	
Speed/ RCF settings		Increments of 10 rpm/ 10 x g		
Control system		Microprocessor		
Drive system		Direct, brushless induction drive		
Acceleration/deceleration profiles		2/2 (standard and soft)		
Rotor locking system		Auto-Lock rotor exchange		
Imbalance detection system		Continuous vibration measurement, with rotor mass correction		
Programs		4 direct program buttons	3 direct program buttons, 96 additional programs accessible via folder	
Pulse (short) run		Yes		
Acceleration/deceleration rates		2/2 (standard and soft)		
Centrifuge chamber		Brushed stainless steel		
Timer range		10 second to 99h 59min, continuous, modus mm:ss in 10 s increments, modus hh:mm in 1 min increments		
Temperature range		n/a	-10°C to 40°C	
Pre-cooling function		n/a	Yes, with direct button	
Refrigeration system		n/a	GreenCool technology, CFC free	
Sound level[2]		<60 dB (A) with a TX-150 rotor (at max. speed) <65,5 dB (A) with a MicroClick 24x2 rotor (at max. speed)	<47 dB(A) with TX-150 rotor (conical bucket) <46 dB(A) with MicroClick 24x2 rotor at top speed	<50 dB(A) with a TX-150 rotor (conical bucket) <48 dB(A) with a MicroClick 24x2 rotor at top speed
Other features		Certified[1] ClickSeal biocontainment lids		
		Multilingual selection: English, Dutch, French, German, Italian, Russian and Spanish		
Max power consumption (230 V)		310 W	650 W	650 W
Dimensions	Height (lid open)	67 cm (26.4 in)	70 cm (27.5 in)	117-122 cm (46.1-48.0 in), adjustable
	Height (lid closed)	31 cm (12.2 in)	32 cm (12.6 in)	79-84 cm (30.7-32.7 in), adjustable
	Width	37 cm (14.6 in)	46 cm (18.1 in)	47 cm (18.3 in)
	Depth	48 cm (18.9 in)	67 cm (26.4 in)	52 cm (20.5 in)
Weight		35 kg (77 lb)	120 V/ 220-230 V: 72.2 kg (159.2 lbs) 100 V: 77.2 kg (170.2 lbs)	120 V/ 220-230 V: 88.2 kg (194.4 lbs) 100 V: 91.4 kg (201.5 lbs)
Standards & certifications	Standards	IEC 61010-1, IEC 61010-2-020, IEC 61010-2-101, EN 61326-1		
	Certifications	CSA certified, CE marked, IVD compliant, Certified biocontainment[1]		

Ordering information	C1T Centrifuge		C1TR Centrifuge		C1FR Centrifuge	
	IVD-MD	General Use Only	IVD-MD	General Use Only	IVD-MD	General Use Only
120 V, 50/60 Hz	75008004	N/A	75009102	N/A	75009120	N/A
230 V, 50/60 Hz	75008005	75008002	75009103	75009101	75009121	75009105
100 V, 50/60 Hz	75008006	75008003	75009117	75009116	75009122	75009106
230 V, 60 Hz for USA only			75009123			

1. Biocontainment certification by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK or TÜV NORD CERT GmbH, Germany
2. Noise level measured with TX-150 rotor at 4,500 rpm/3,260 x g and with MicroClick 24 rotor at 17,850 rpm, 30,279 x g
The Project was defined for JQC, Regulation 862.2050 – Clinical Centrifuges



Learn more at **thermofisher.com/centrifuges**

The intended use of the products mentioned in this brochure varies. Please refer to the product label. It is the customer's responsibility to ensure that the performance of the product is suitable for customers' specific uses or applications.

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