



**Thermo Scientific
Heraeus Megafuge 8 Centrifuge**



Fits in.
Stands out.

Thermo
SCIENTIFIC

Introducing the NEW!
Thermo Scientific™
Heraeus™ Megafuge™ 8
small benchtop centrifuge



Fits in.

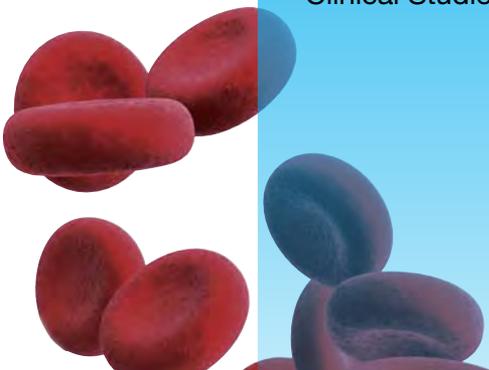
- ▶ to **your space**, with its compact footprint.
- ▶ to **your applications**, accommodating multi-laboratory settings with the flexibility to adapt with evolving clinical and research needs.

CLINICAL APPLICATIONS

Clinical Chemistry
Clinical Microbiology
Hematology
Immunology
Clinical Studies

RESEARCH APPLICATIONS

Cellular Biology
Microbiology
Genomics / Molecular Biology
Proteomics
Biochemistry
Pharmaceutical Studies





Stands out.

- ▶ designed for **solid reliability and consistent results.**
- ▶ featuring **innovative Thermo Scientific™ technologies:**
- ▶ anticipating and addressing your most pressing lab needs. Even those you don't know you have yet.



Auto-Lock™ Rotor Exchange

Secure push-button application versatility and cleaning convenience



ClickSeal™ Biocontainment Lids

One-handed, certified¹ sample protection



Maximized Capacity

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

¹  Biocontainment certification by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK

Fits in. **Stands out.**



Simple solutions. **Flexible processing.**

Secure, push-button **Auto-Lock** rotor exchange in less than 3 seconds delivers:

- Trouble-free rotor installation and removal
 - 1] No tools are required
 - 2] No complicated rotor changing procedures
- Clear chamber access for cleaning convenience
- Quick switch between applications – from conical tubes to blood tubes, and from microtubes to microplates – and the flexibility to evolve with the changing needs of your laboratory

Optimize bench space with **maximized capacity**

- 8 x 50 mL swinging bucket rotor capacity or 4 microplates for research needs
- Clinical processing up to 24 x 5/7 mL blood tubes per run



Reliable quality. **Safe operation.**

- Biocontainment sealing options, including certified¹ **ClickSeal** lids for glove-friendly, one-handed operation
- Manufactured with quality materials providing broad chemical resistance with exceptional strength for durability and reliability
- Quiet performance (<61 dBA) provides a safe, stress-free environment
- Conforms to the latest clinical and safety standards, such as UL, CE and IVD²



¹  Biocontainment certification by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK

² See full list of standards & certifications on final page



Sample-ready. User-friendly.

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



Fits in. **CLINICAL APPLICATIONS.**

Stands out.

**Outstanding capacity in a compact design
with a smart, simple interface.**



- Runs up to 24 x 5/7 mL blood tubes at a time in swinging bucket configuration
- Expanded programming options including password protection
- Auto-Lock rotor exchange simplifies cleaning
- Conforms to the latest clinical and safety standards



CLINICAL APPLICATIONS

Clinical Chemistry
Clinical Microbiology
Hematology
Immunology
Clinical Studies

Rotors for Clinical Applications

Thermo Scientific Rotor	Description	Stand-out Features	Performance	Applications
TX-150 Swinging Bucket Rotor				
	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 available adapters.	Certified¹ sample protection with ClickSeal biocontainment lids.	4,500 rpm 3,260 x g	<ul style="list-style-type: none"> • Clinical Chemistry • Hematology • Immunology • Clinical Studies
M10 Swinging Bucket Rotor				
	Centrifuge up to 4 microplates or 2 deepwell plates.	Transportable microplate carriers, complemented by Auto-Lock rotor exchange.	4,400 rpm 2,576 x g	<ul style="list-style-type: none"> • Clinical Chemistry • Clinical Microbiology • Hematology • Immunology
CLINIConic Fixed Angle Rotor				
	Spin 30 blood tubes in fixed angle configuration with fast acceleration to optimize blood separation applications.	Auto-Lock rotor exchange for ultimate ease-of-use.	4,400 rpm 3,030 x g	<ul style="list-style-type: none"> • Clinical Chemistry • Clinical Microbiology • Hematology • Immunology • Clinical Studies
Hematocrit Rotor				
	Dedicated blood processing to achieve capillary separations.	Linear scale provided to read results.	13,300 rpm 16,800 x g	<ul style="list-style-type: none"> • Hematology

¹  Biocontainment certification by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK

Dedicated Rotors for Routine Clinical Processing



TX-100S Clinical Swinging Bucket Rotor with Sealed Carriers

Spin 8 tubes with biocontainment sealing
4,500 rpm / 3,215 x g



TX-100 Clinical Swinging Bucket Rotor with Carriers

Capacity of 16 tubes per run
4,500 rpm / 3,260 x g

Fits in. **RESEARCH APPLICATIONS.**

Stands out.

Innovative design supports multiple users and applications to stay one step ahead of your evolving research needs.

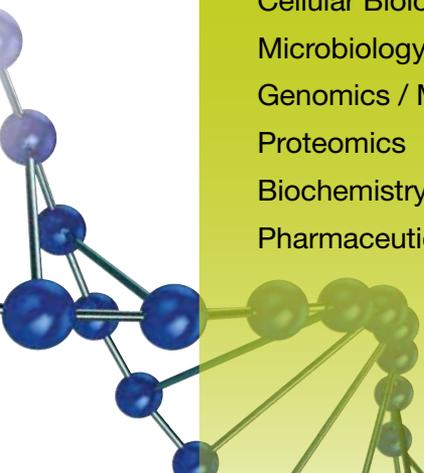


- 8 x 50 mL swinging bucket rotor capacity, 4 microplates, or 30 filtration columns for research needs
- Auto-Lock rotor exchange for application flexibility – go from 50 mL tube to microplates to microtubes effortlessly



RESEARCH APPLICATIONS

Cellular Biology
Microbiology
Genomics / Molecular Biology
Proteomics
Biochemistry
Pharmaceutical Studies



Rotors for Research Applications

Thermo Scientific Rotor	Description	Stand-out Features	Performance	Applications
 <p>TX-150 Swinging Bucket Rotor</p>	<p>Designed for a broad range of swing-out processing needs at high speed and high capacity with the flexibility of available adapters.</p>	<p>Dedicated bucket available for 8 conical tubes capacity or round buckets with certified¹ ClickSeal biocontainment lids.</p>	<p>4,500 rpm 3,260 x g</p>	<ul style="list-style-type: none"> Cellular Biology Microbiology Genomics/Molecular Biology Proteomics Biochemistry Pharmaceutical studies
 <p>M10 Swinging Bucket Rotor</p>	<p>Centrifuge up to 4 microplates or 2 deepwell plates.</p>	<p>Transportable microplate carriers, complemented by Auto-Lock rotor exchange.</p>	<p>4,400 rpm 2,576 x g</p>	<ul style="list-style-type: none"> Cellular Biology Microbiology Genomics/Molecular Biology
 <p>MT-12 Swinging Bucket Rotor</p>	<p>Unique design capable of spinning up to 12 x 1.5/2 mL microtubes and filtration columns, ideal for small-volume research applications.</p>	<p>Individual swinging bucket rotors.</p>	<p>13,000 rpm 16,438 x g</p>	<ul style="list-style-type: none"> Microbiology Genomics/Molecular Biology Biochemistry Pharmaceutical Studies
 <p>HIGHConic III Fixed Angle Rotor</p>	<p>Process 6 x 50 mL tubes in fixed angle configuration and at RCF above 10,000 x g in certified¹ sealed conditions.</p>	<p>New transparent lid enables viewing for added safety and convenience, and Auto-Lock rotor exchange enhances ease-of-use.</p>	<p>8,700 rpm 10,155 x g</p>	<ul style="list-style-type: none"> Cellular Biology Microbiology Genomics/Molecular Biology Proteomics Biochemistry Pharmaceutical Studies
 <p>CLINIConic Fixed Angle Rotor</p>	<p>Spin 30 x 15 mL round or conical tubes and ensure fast acceleration and throughput for cell culture applications.</p>	<p>Support conical tubes in a fixed angle rotor with the flexibility of Auto-Lock rotor exchange.</p>	<p>4,400 rpm 3,030 x g</p>	<ul style="list-style-type: none"> Cellular Biology Microbiology Genomics/Molecular Biology
 <p>Micro-Volume Rotors</p> <ul style="list-style-type: none"> MicroClick 30 x 2 Fixed Angle Rotor MicroClick 24 x 2 Fixed Angle Rotor 8 x 8 PCR Strip Fixed Angle Rotor 	<p>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.</p>	<p>With Auto-Lock rotor exchange, switch from swing-out to a microtube rotor in as little as 3 seconds, coupled with security of certified¹ ClickSeal biocontainment lids.</p>	<p>14,000 rpm 21,693 x g</p> <p>16,000 rpm 24,328 x g</p> <p>15,000 rpm 17,860 x g</p>	<ul style="list-style-type: none"> Microbiology Genomics/Molecular Biology Biochemistry Pharmaceutical Studies

¹ Biocontainment certification by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK

Stands out. Extensive Rotor Portfolio for Application Flexibility

Versatile Swinging Bucket Rotors



TX-150 Swinging Bucket Rotor



M10 Swinging Bucket Rotor



MT-12 Swinging Bucket Rotor

Clinical Swinging Bucket Rotors



TX-100S Clinical Swinging Bucket Rotor



TX-100 Clinical Swinging Bucket Rotor



Cat. No.	Description	Rotor Capacity (places x volume, mL)	Max Tube Dimensions (Ø x L, mm)	Max Speed (rpm)	Max RCF (x g)
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Versatile Swinging Bucket Rotors

75005701	TX-150 Swinging Bucket Rotor, 90°, R_{max} 144 mm	4 x 145	50 x 100	4,500	3,260
75005703	50 mL Conical Buckets (Unsealed, no adapter needed) (set of 4)	8 x 50	29.5 x 120	4,500	3,260
75005702	Round Buckets (set of 4)	4 x 145	50 x 100	4,500	3,260
75005707	ClickSeal Biocontainment Lids for Round Buckets (set of 4)				
75005724	Replacement O-rings for Lids (set of 4)				
Adapters for 50 mL Conical Buckets (sets of 2)					
75005808	15 mL Conical Tube	8 x 15	17 x 123		
Adapters for Round Buckets (sets of 4)					
no adapter needed	145 mL Bottle (75005734)	4 x 145	50 x 100		
1	75005735 100 mL Round Bottom Open-Top Tube	4 x 100	45 x 117		
2	75005736 50 mL Conical or Skirted Tube	4 x 50	29.5 x 120		
3	75005744 25 mL Universal Flat/Skirted Tube	4 x 25	25 x 199		
4	75005737 15 mL Conical Tube	8 x 15	17 x 122		
4	75005737 11 mL IVF Tube	8 x 11	17 x 122		
5	75005738 14 mL Urine Tube	16 x 14	18 x 124		
5	75005738 12 mL Blood Collection Tube (Greiner®)	16 x 12	16 x 100		
5	75005738 10 mL Blood Collection or 15 mL Corex®/Kimble® Tube	16 x 15	17 x 117		
6	75005739 5/7mL mL Blood Collection Tube	24 x 5/7	13 x 116		
7	75005740 3/5 mL Blood Collection Tube	28 x 3/5	12 x 124		
8	75005743 1.5/2 mL Microtube	80 x 2	11 x 65		

Rotor Packages

75005760	Cell Culture Package , includes: TX-150 Rotor (75005701), Round Buckets (75005702), Adapters for 50 mL Conical Tubes (75005736)	4 x 50	29.5 x 120		
75005761	High Capacity Cell Culture Package , includes: TX-150 Rotor (75005701), Conical Buckets (75005703), Adapters for 15 mL Conical Tubes (75005808)	8 x 50	18 x 124		
75005762	Clinical Rotor Package , includes: TX-150 Rotor (75005701), Round Buckets (75005702), ClickSeal Biocontainment Lids (75005707), Adapters for Blood Collection Tubes: 5/7 mL (75005739) and 10 mL (75005738)	24 x 5/7	18 x 124		
75005706	M10 Swinging Bucket Rotor, 90°, R_{max} 139 mm	4 Standard or 2 Deepwell	n/a	4,400	2,576
75005723	Unsealed Buckets (set of 2)				
75005600	MT-12 Swinging Bucket Rotor, 90°, R_{max} 87 mm	12 x 2	11 x 50	13,000	16,438

Clinical Swinging Bucket Rotors

75005704	TX-100S Clinical Swinging Bucket Rotor with Sealed Carriers, 90°, R_{max} 142 mm	8 x 15	17 x 106	4,500	3,215
75005705	TX-100 Clinical Swinging Bucket Rotor with Carriers, 90°, R_{max} 144 mm	16 x 15	17 x 121	4,500	3,260

Adapters for TX-100S Clinical Rotor and TX-100 Clinical Rotor (each)

11203666	13.5 mL Urine Tube	16/8 x 13.5	16 x 82		
11172596	5/7 mL BD Hemogard®/ BD Vacutainer® Tube	16/8 x 5/7	13 x 106		
11172595	5 mL BD Hemogard Tube	16/8 x 5	13 x 75		
11172287	3 mL Blood Collection Tube	16/8 x 3	11 x 70		
11172288	1.5/2 mL Microtube	16/8 x 1.5/2	10 x 41		

Fixed Angle Rotors



HIGHConic III Rotor



CLINIConic Rotor



MicroClick 30 x 2 Rotor



MicroClick 24 x 2 Rotor



8 x 8 PCR Strip Rotor



Hematocrit Rotor

Cat. No.	Description	Rotor Capacity (places x volume, mL)	Max Tube Dimensions (Ø x L, mm)	Max Speed (rpm)	Max RCF (x g)
Fixed Angle Rotors					
75005709	HIGHConic III Rotor, 45°, R_{max} 120 mm	6 x 50	38 x 105	8,700	10,155
75005731	Replacement Lid (each)				
75003058	Replacement Sealing O-rings (set of 2 with grease)				
Adapters for HIGHConic III Rotor (set of 6)					
75005745	38 mL Round Bottom Tube	6 x 38	25.5 x 110		
75005746	16 mL Round Bottom Tube	6 x 16	18 x 123		
75005755	15 mL Conical Tube	6 x 15	17 x 123		
75005747	12 mL Round Bottom Tube	6 x 12	16 x 95		
75005748	6.5 mL Round Bottom Tube	6 x 6.5	13.5 x 114		
75005749	3.5 mL Round Bottom Tube	12 x 3.5	11 x 100		
75005750	1.5/2 mL Microtube	12 x 2	11 x 40		
75003623	CLINIConic Rotor, 37°, R_{max} 140 mm	30 x 15	16.5 x 131	4,400	3,030
Adapters for CLINIConic Rotor (each)					
no adapter needed	15 mL Round/Conical Bottom Tube	30 x 15	16.5 x 131		
75003702	10 mL Round Bottom Tube	30 x 10	16.5 x 95		
11172596	5/7 mL BD Hemogard/ BD Vacutainer Tube	30 x 5/7	13 x 106		
11172595	5 mL BD Hemogard Tube	30 x 5	13 x 75		
75005719	MicroClick 30 x 2 Rotor, 45°, R_{max} 99 mm	30 x 1.5/2	11 x 45	14,000	21,693
75005730	Replacement ClickSeal Biocontainment Lid (each)				
75005726	Replacement O-ring for Lid (each)				
75005715	MicroClick 24 x 2 Rotor, 45°, R_{max} 85 mm	24 x 1.5/2	11 x 45	16,000	24,328
75005725	Replacement ClickSeal Biocontainment Lid (each)				
75003405	Replacement O-ring for Lid (each)				
Adapters for MicroClick 30 x 2 Rotor and MicroClick 24 x 2 Rotor (sets of 30)					
75005752	0.2 mL PCR Tube	30/24 x 0.2	6.5 x 20		
75005753	0.5 mL Microtube	30/24 x 0.5	8 x 44		
75005754	0.25 mL Microtube	30/24 x 0.25	6 x 46		
75005720	8 x 8 PCR Strip Rotor, 45°, R_{max} 71 mm	8 x 8 PCR strips	8 x 8	15,000	17,860
75005730	Replacement ClickSeal Biocontainment Lid (each)				
75005726	Replacement O-ring for Lid (each)				
75005733	Hematocrit Rotor, 45°, R_{max} 80 mm, includes Linear Scale	24 Capillaries	n/a	13,300	16,800
76000923	Capillaries (pack of 100)				
75000964	Sealing Kit				
76000938	Replacement Linear Scale Reading Graph				

Thermo Scientific Heraeus Megafuge 8 Centrifuge

Specifications

Swing Bucket Rotors	
Max Capacity	4 x 145 mL (with TX-150 rotor)
Max Speed	4,500 rpm (with TX-150 rotor)
Min Speed	300 rpm (with TX-150 rotor)
Max RCF	3,260 x g (with TX-150 rotor)
Fixed Angle Rotors	
Max Capacity	6 x 50 mL (with HIGHConic III rotor)
Max Speed	16,000 rpm (with MicroClick 24 rotor)
Min Speed	300 rpm (with MicroClick 24 rotor)
Max RCF	24,328 x g (with MicroClick 24 rotor)
Control System	
Control System	Microprocessor
Drive System	
Drive System	Direct, brushless induction drive
Rotor Locking System	
Rotor Locking System	Auto-Lock rotor exchange
Imbalance Detection System	
Imbalance Detection System	SMARTSpin
Programs	
Programs	4 protocols via direct access key, with naming option and password protection available
Pulse (Short) Run	
Pulse (Short) Run	Yes
Acceleration / Deceleration Rates	
Acceleration / Deceleration Rates	2 (standard and soft)
Centrifugation Chamber	
Centrifugation Chamber	Brushed stainless steel
Max Timer Range	
Max Timer Range	9h, 99 min + continuous
Sound Level	
Sound Level	<58 dBA (with TX-150 rotor); <61 dBA (with MicroClick 24 rotor)
Other Features	
Other Features	<ul style="list-style-type: none"> • Certified¹ ClickSeal biocontainment lids • Multilingual selection: English, Dutch, French, German, Italian, Russian and Spanish
Max Power Consumption (W)	
Max Power Consumption (W)	310 W
Dimensions	
Height (lid open)	67 cm (26.8 in)
Height (lid closed)	31 cm (12.2 in)
Width	37 cm (14.6 in)
Depth	48 cm (18.9 in)
Weight	
Weight	35 kg (77 lb)
Standards & Certifications	
Standards	IEC 61010-1, IEC 61010-2-020, IEC 61010-2-101, EN 61326-1
Certifications	UL Listed / CE marked / IVD compliant / Certified biocontainment ¹

Ordering Information

75007211	Heraeus Megafuge 8 centrifuge, ventilated, 230 V, 50/60 Hz
75007210	Heraeus Megafuge 8 centrifuge, ventilated, 120 V, 60 Hz

¹  Biocontainment certification by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK

The Project was defined for JQC, Regulation 862.2050 – Clinical Centrifuges

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