

thermo scientific



Thermo Scientific Heraeus Clinical Centrifuge Solutions

Fits in. Stands out.

ThermoFisher
SCIENTIFIC

Thermo Scientific Heraeus Clinical Centrifuge Solutions

Fits in.

- To your space, with **compact footprints** and **quiet operation**
- To your timeline, with **intuitive programming** for routine protocols and **large brightly-lit displays**
- To your applications, with a **comprehensive rotor portfolio** from 120 mL to 4 L, accommodating 1.5 mL to 50 mL sample tubes, microplates and 10 mL standard syringes

Stands out.

- Designed for solid performance and consistent results
- Featuring innovative Thermo Scientific™ technologies:
 - Certified¹ **ClickSeal™ biocontainment lids** help ensure operator safety
 - Quick rotor removal and easy cleaning with **Auto-Lock™ rotor exchange**
 - **Maximized capacity** up to 196 x 5/7 blood tubes with the TX-1000 rotor
 - Unique **DualSpin™ rotor** features hybrid design with interchangeable fixed angle and swinging buckets
 - **Ergonomic designs** including floor-standing models to also enhance placement flexibility in the lab

¹ Biocontainment certification by Public Health England Laboratories, Porton Down, UK.



Large brightly-lit displays



Comprehensive rotor portfolio



ClickSeal biocontainment lids



Ergonomic designs



DualSpin rotor

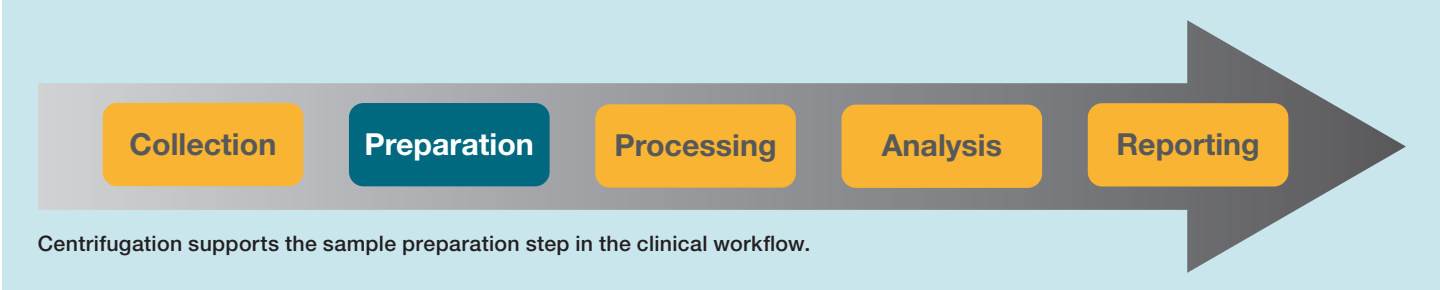


Auto-Lock rotor exchange



Discover our range of Thermo Scientific Heraeus centrifuge solutions for sample preparation across most common clinical applications

| Thermo Scientific Centrifuges | Application | | | | | | | | | |
|---|-------------------------------|-------------------------------------|-----------------------|------------------------------|-------------------|------------|---------------------|-----------|--------------------|----------------|
| | Clinical Chemistry/Hematology | Pathology | Clinical Microbiology | | Molecular Biology | Hematology | Clinical Immunology | | Pediatrics | |
| | RBC/Coagulation studies | Urinalysis and Platelet poor plasma | TB Sputum | <i>Chlamydia trachomatis</i> | DNA/RNA Isolation | Hematocrit | Leucocytes | ELISA/RIA | Blood cell washing | Blood analysis |
| Heraeus Megafuge 40/40R Heraeus Multifuge X3/X3R Heraeus Multifuge X3F/X3FR | ● | ● | ● | ● | ● | | ● | ● | | ● |
| Heraeus Megafuge 16/16R Heraeus Multifuge X1/X1R | ● | ● | | ● | ● | | ● | ● | | ● |
| Heraeus Megafuge 8/8R | ● | ● | ● | ● | ● | ● | ● | ● | | ● |
| Medifuge | ● | ● | | ● | | | | | | |
| Heraeus Pico/Fresco | | | | | ● | ● | | | | ● |
| CW3 Cell Washer | | | | | | | | | ● | |



Centrifugation supports the sample preparation step in the clinical workflow.

Thermo Scientific™ Heraeus™ Megafuge™ 40 and Multifuge™ X3/X3F Centrifuges

Spin up to 196 x 5/7 mL blood tubes

- Flexibility up to 4 L capacity in a 3 L footprint
- ClickSeal biocontainment lids provide added safety
- Floor-standing models provide outstanding ergonomics and placement



Heraeus Megafuge 40/40R, Heraeus Multifuge X3/X3R, and Heraeus Multifuge X3F/X3FR Centrifuges

| Thermo Scientific™ Rotor | Application | | | | | | | | | |
|------------------------------------|--|---|--|------------------------------------|--|------------------------------|---------------------|---------------------|--------------------------|--|
| | Clinical Chemistry/Hematology | | | Pathology | Clinical Microbiology | | Molecular Biology | Clinical Immunology | | Pediatrics |
| | Blood Analysis | | | Urinalysis | TB Sputum | <i>Chlamydia trachomatis</i> | DNA/RNA Isolation | Leucocytes | ELISA/RIA | Blood Analysis |
| Sample Capacity (Required Adapter) | | | | | | | | | | |
| | 5/7 mL Blood Collection Tubes (13 x 75/100 mm) | 10 mL Blood Collection Tubes (15/16 x 100 mm) | 15 mL Blood Collection Tubes (16 x 125 mm) | 14 mL Urine or 15 mL Conical Tubes | 50 mL Conical Tubes, Individually Sealed | Shell Vials (15 x 47 mm) | 1.5/2 mL Microtubes | 50 mL Conical Tubes | Standard Microplates | 600 µL Blood Collection Tubes (11 x 45 mm) |
| TX-1000 | 196 (75003671) | 100 (75003697) | 76/92 ² (75003672) | 96 (75007306) | 20 (75004255) | 148 (75003672) | | 40 (75003674) | 24 (4x6) (75007303) | |
| | 164 (75003709) | 148 (75003672) | | | | | | | | |
| TX-750 | 108 (75003723) | 84 (75003719) | 32 (75003719) | 48 (75003718) | 12 (75003714) | 84 (75003719) | 192 (75003733) | 28 (75003638) | 16 (4x4) (75003617) | 192 (75003733) |
| | 80 (75003768) | 64 (75003767) | | 36 (75003759) | | 64 (75003767) | 224 (75003770) | 20 (75003685) | | 224 (75003770) |
| BIOShield™ 1000A | 80 (75003768) | 64 (75003767) | | 36 (75003759) | | 64 (75003767) | 224 (75003770) | | | 224 (75003770) |
| HIGHPlate™ 6000 | | | | | | | | | 10 (2x5) (Direct fit) | |
| M-20 | | | | | | | | | 6 (2x3) (Direct fit) | |
| Microliter 48x2 | | | | | | | 48 (Direct fit) | | | 48 (Direct fit) |
| MicroClick™ 30x2 | | | | | | | 30 (Direct fit) | | | 30 (Direct fit) |

² Without lid.



Thermo Scientific™ Heraeus™ Megafuge™ 16 and Multifuge™ X1 Centrifuges

For clinical laboratories requiring mid-level throughput

- Process up to 76 x 5/7 mL blood tubes
- 14 rotor options available for most common application needs
- ClickSeal biocontainment lids provide added safety

Heraeus Megafuge 16/16R and Heraeus Multifuge X1/X1R Centrifuges

| Thermo Scientific™ Rotor | Application | | | | | | | | |
|------------------------------------|--|--|--|------------------------------------|-------------------------------|---------------------|---------------------|--------------------------|--|
| | Clinical Chemistry/Hematology | | | Pathology | Clinical Microbiology | Molecular Biology | Clinical Immunology | | Pediatrics |
| | Blood Analysis | | | Urinalysis | <i>Chlamydia trachomatis</i> | DNA/RNA Isolation | Leucocytes | ELISA/RIA | Blood Analysis |
| Sample Capacity (Required Adapter) | | | | | | | | | |
| | 5/7 mL Blood Collection Tubes (13 x 75/100 mm) | 10 mL Blood Collection Tubes (16 x 100 mm) | 15 mL Blood Collection Tubes (16 x 125 mm) | 14 mL Urine or 15 mL Conical Tubes | Shell Vials (15 x 47 mm) | 1.5/2 mL Microtubes | 50 mL Conical Tubes | Standard Microplates | 600 µL Blood Collection Tubes (11 x 45 mm) |
| TX-400 | 76 (75003680) 64 (75003825) | 56 (75003681) | 16 (75003794) | 28 (75003798) | 40 ³ (75003704) | 136 (75003700) | 16 (75003683) | | 136 (75003700) |
| BIOShield 720 | 48 (75003821) | 48 (75003701) | | 24 (75003678) | 48 (75003701) | 160 (75003823) | 8 (75003677) | | 160 (75003823) |
| TX-200 | 32 (75003785) | 28 (75003808) | | 8 (75003807) | 28 (75003808) | 48 (75003812) | 4 (75003803) | | 48 (75003812) |
| HIGHPlate 6000 | | | | | | | | 10 (2x5) (Direct fit) | |
| M-20 | | | | | | | | 6 (2x3) (Direct fit) | |
| Microliter 48x2 | | | | | | 48 (Direct fit) | | | 48 (Direct fit) |
| MicroClick 30x2 | | | | | | 30 (Direct fit) | | | 30 (Direct fit) |

³ Requires spacers 75008817 or 75008818

Thermo Scientific™ Heraeus™ Megafuge™ 8 Centrifuges

Compact centrifuges designed for effective and efficient processing of clinical samples, including platelet-poor plasma tests

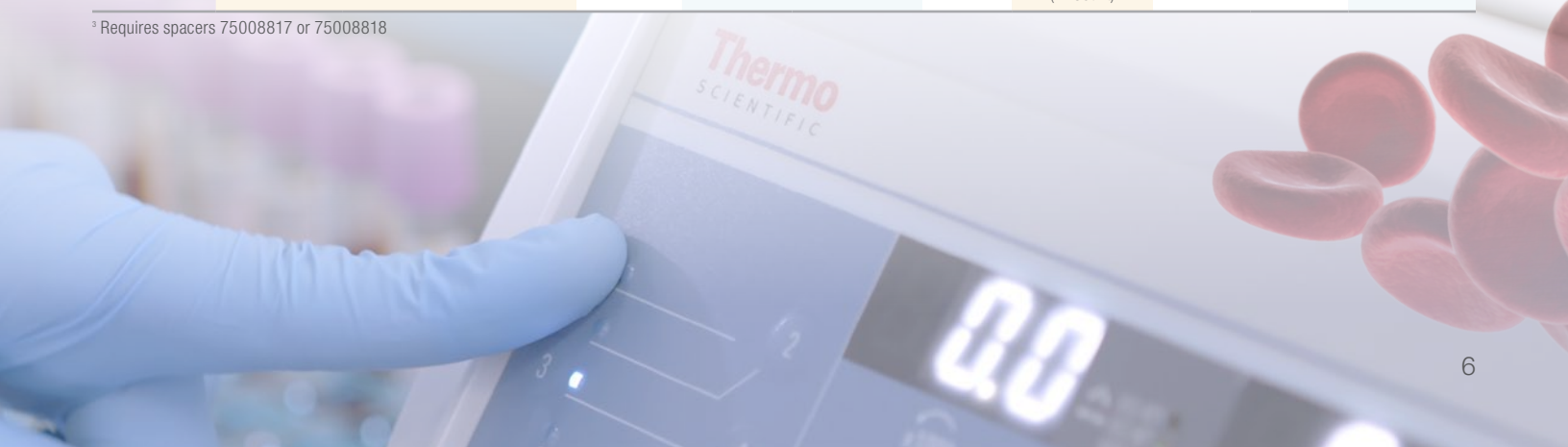
- Accommodate up to 24 x 5/7mL blood tubes
- Run platelet-poor plasma tests in 1 minute with the Thermo Scientific™ HIGHConic™ rotor
- ClickSeal biocontainment lids provide added safety



Heraeus Megafuge 8/8R Centrifuges

| Thermo Scientific™ Rotor | Application | | | | | | | | | | |
|--------------------------|--|--|--|------------------------------------|--|-------------------------------|---------------------|--------------------------------|------------------------------------|-------------------------|--|
| | Clinical Chemistry/Hematology | | | Pathology | Clinical Microbiology | | Molecular Biology | Hematology | Clinical Immunology | | Pediatrics |
| | Blood Analysis | | | Urinalysis | TB Sputum | <i>Chlamydia trachomatis</i> | DNA/RNA Isolation | Hematocrit | Leucocytes | ELISA/RIA | Blood Analysis |
| Thermo Scientific™ Rotor | Sample Capacity (Required Adapter) | | | | | | | | | | |
| | 5/7 mL Blood Collection Tubes (13 x 75/100 mm) | 10 mL Blood Collection Tubes (16 x 100 mm) | 15 mL Blood Collection Tubes (16 x 125 mm) | 14 mL Urine or 15 mL Conical Tubes | 50 mL Conical Tubes, Individually Sealed | Shell Vials (15 x 47 mm) | 1.5/2 mL Microtubes | Capillaries (1.75 x 75 mm max) | 50 mL Conical Tubes | Standard Microplates | 600 µL Blood Collection Tubes (11 x 45 mm) |
| TX-150 | 24 (75005739) | 16 (75003504) | | 16 (75005738) | | 16 ^a (75003504) | 40 (75005743) | | 4 (75005736) 8 (75005703) | | 40 (75005743) |
| TX-100/TX-100S | 16/8 (11172596) | 16/8 (Direct fit) | | 16/8 (11203666) | | 16/8 (75008818) | 16/8 (11172288) | | | | 16/8 (11172288) |
| 8x50 Sealed | 8 (75005805) | 8 (75005804) | | | 8 (Direct fit) | 8 ^a (75005804) | | | | | 16 (75005806) |
| CLINIConic™ | 30 (11172595) | 30 (75003702) | 30 (Direct fit) | 30 (Direct fit) | | 16/8 (75008818) | | | | | |
| HIGHConic™ III | 6 (75005805) | 6 (75005804) | 6 (75005803) | 6 (75005808) | | 6 ^a (75005803) | 12 (75005807) | | 6 (Direct fit) | | 12 (75005807) |
| M-10 | | | | | | | | | | 4 (2x2) (Direct fit) | |
| MicroClick 48x2 | | | | | | | 48 (Direct fit) | | | | 48 (Direct fit) |
| MicroClick 30x2 | | | | | | | 30 (Direct fit) | | | | 30 (Direct fit) |
| MicroClick 24x2 | | | | | | | 24 (Direct fit) | | | | 24 (Direct fit) |
| Hematocrit | | | | | | | | 24 (Direct fit) | | | |

^a Requires spacers 75008817 or 75008818



Thermo Scientific™ Medifuge™ Clinical Centrifuges

Optimize your workflow with the unique “2-in-1” hybrid design of the Thermo Scientific™ DualSpin™ rotor

- 8-place interchangeable fixed angle and swinging buckets
- Program up to 4 routine protocols
- Fits into doctor’s labs



Medifuge Centrifuges

| Rotor | Application | | | | |
|------------------------------------|--|--|--|------------------------------------|--------------------------|
| | Clinical Chemistry/Hematology | | Pathology | Clinical Microbiology | |
| | Blood Analysis | | Urinalysis | Chlamydia trachomatis | |
| Sample Capacity (Required Adapter) | | | | | |
| | 5/7 mL Blood Collection Tubes (13 x 75/100 mm) | 10 mL Blood Collection Tubes (16 x 100 mm) | 15 mL Blood Collection Tubes (16 x 125 mm) | 14 mL Urine or 15 mL Conical Tubes | Shell Vials (15 x 47 mm) |
| DualSpin (Fixed Angle) | 8 (Yellow) | 8 (Direct fit) | 8 (Direct fit) | 8 (Direct fit) | 8 (Direct fit) |
| DualSpin (Swinging Bucket) | 8 (Yellow) | 8 (Direct fit) | | 8 (Direct fit) | 8 (Direct fit) |

Thermo Scientific™ Heraeus™ Pico™ and Fresco™ Microcentrifuges

Small footprint with outstanding features, suited for molecular diagnostic and pediatric tests

- Spin up to 24 micro or pediatric tubes in a single run
- ClickSeal biocontainment lids with transparent design for added safety



Heraeus Pico 17/21 and Fresco 17/21 Microcentrifuges

| Rotor | Application | | |
|------------------------------------|---------------------|--------------------------------|--|
| | Molecular Biology | Hematology | Pediatrics |
| | DNA/RNA Isolation | Hematocrit | Blood Analysis |
| Sample Capacity (Required Adapter) | | | |
| | 1.5/2 mL Microtubes | Capillaries (1.75 x 75 mm max) | 600 µL Blood Collection Tubes (11 x 45 mm) |
| 24x1.5/2.0 mL | 24 (Direct fit) | | 24 (Direct fit) |
| Hematocrit | | 24 (Direct fit) | |

Thermo Scientific™ CW3 Cell Washer

Precise, automated performance designed to provide thorough, reproducible blood cell washing.

- Flexibility of 12- or 24-place rotors meet your protocol requirements
- Preset programs in automatic mode save valuable hands-on time
- Efficient cell washing in 3 minutes









CW3 Cell Washer

| Rotor | Application | |
|----------|--|--------------------|
| | Clinical Immunology | Blood Cell Washing |
| | Sample Capacity (Required Adapter) | |
| | Blood Collection Tubes (10/12 x 75 mm) | |
| 24-place | 24 (Direct fit) | |
| 12-place | 12 (Direct fit) | |

Select the ideal centrifuge package for your clinical applications.

Complete packages, ready for immediate use!



| Cat. No. | | | Centrifuge | Package Includes |
|--|----------|---|--|------------------|
| 120 V | 230 V | | | |
| 4 L High Performance and High Throughput | | | | |
| 196 x 5/7 mL tubes up to 4,200 rpm/4,122 x g (refrigerated) or 3,800 rpm/3,374 x g (ventilated) | | | | |
| 75371771 | 50146616 | Heraeus Multifuge X3FR floor-standing refrigerated centrifuge |  <ul style="list-style-type: none"> TX-1000 aerodynamic buckets (set of 4) TX-1000 ClickSeal biocontainment lids (set of 4) Adapters 196 x 5/7 mL blood collection Adapters 148 x 10 mL blood collection | |
| 75311771 | 50146617 | Heraeus Multifuge X3F floor-standing ventilated centrifuge | | |
| 75977271 | 50144030 | Heraeus Megafuge 40R refrigerated centrifuge | | |
| 75477271 | 50144029 | Heraeus Megafuge 40 ventilated centrifuge | | |
| 3 L High Throughput | | | | |
| 108 x 5/7 mL tubes up to 4,700 rpm/4,816 x g | | | | |
| 75191923 | 50122068 | Heraeus Megafuge 40R refrigerated centrifuge |  <ul style="list-style-type: none"> TX-750 buckets (set of 4) TX-750 ClickSeal biocontainment lids (set of 4) Adapters 108 x 5/7 mL blood collection Adapters 84 x 10 mL blood collection | |
| 75041923 | 50122067 | Heraeus Megafuge 40 ventilated centrifuge | | |
| 1.6 L Mid Throughput | | | | |
| 76 x 5/7 mL tubes up to 5,000 rpm/4,696 x g | | | | |
| 75718180 | 50122064 | Heraeus Megafuge 16R refrigerated centrifuge |  <ul style="list-style-type: none"> TX-400 buckets (set of 4) TX-400 ClickSeal biocontainment lids (set of 4) Adapters 76 x 5/7 mL blood collection Adapters 56 x 10 mL blood collection | |
| 75318180 | 50122063 | Heraeus Megafuge 16 ventilated centrifuge | | |
| 580 mL High Performance | | | | |
| 24 x 5/7 mL tubes up to 4,500 rpm/3,260 x g | | | | |
| 75130102 | 50144445 | Heraeus Megafuge 8R refrigerated centrifuge |  <ul style="list-style-type: none"> TX-150 buckets (set of 4) TX-150 ClickSeal biocontainment lids (set of 4) Adapters 24 x 5/7 mL blood collection Adapters 16 x 10 mL blood collection | |
| 75100102 | 50140775 | Heraeus Megafuge 8 ventilated centrifuge | | |
| One-Minute PPP Separation | | | | |
| 6 x 5/7 mL tubes up to 8,700 rpm/10,155 x g | | | | |
| 75100947 | 50153121 | Heraeus Megafuge 8 ventilated centrifuge |  <ul style="list-style-type: none"> Adapters 5/7 mL blood collection | |
| Blood Cell Washing | | | | |
| 24 blood collection tubes | | | | |
| 75007402 | 75007406 | CW3 cell washer |  | |

Find out more at thermofisher.com/clinicalcentrifuges