



Thermo Scientific™ General Purpose Centrifuge Series

To select the right centrifuge for your lab, choose an option at the top of the screen, or click below to see what's new

[Let's get started](#)





Continuous innovation

New industrial design with improved ergonomics for ease of use and touch screen capabilities to help save you time

**View
safe operation**



Safety and ergonomic enhancements

**View
enhancements**



Enhancements to make your day in the lab easier

Safety features

Improved reach-in during rotor installation for safer loading and unloading

Hand grip cue on the lid indicates the easiest and best one-handed closure location

Improved safety with reduced pinch-points designed to prevent accidental injury. Motorized gas springs with safety protection

[View](#)

[View](#)





Enhancements

Accessory tray holds tools or samples as you prepare for your run

Other new benefits include:

- compliance with most-recent applicable regulatory and safety standards
- available energy-saving settings
- over 20 rotor options to choose from





Consistent performance

Thermo Scientific technologies designed for solid performance and consistent results in a wide range of applications

View performance



Broad choice of speed, capacity and application

View Auto-Lock™



Simple, fast rotor exchange

View Fiberlite™



Outstanding rotor ergonomics and performance

View ClickSeal™



One-handed biocontainment closures



Flexible performance with more than 20 rotor options

Achieve faster results with the ability to hold up to 196 blood tubes, 40 x 50 mL conical tubes, or 24 microplates in one run



- With fixed-angle **rotor speeds over 25000 x g**, and swinging buckets rotor speeds over 6000 x g, even the toughest separations can be completed better and faster >
- **Motorized lid latch** reduces closure time and is easy to operate/handle >
- **Slide-coat finish** on swinging buckets rotors reduces the need for lubrication, for more consistent separations and less chance of grease contamination >



Auto-Lock™ Rotor Exchange

Helps save time. Faster answers.

- Secure, ergonomic push-button rotor exchange in as little as 3 seconds
- Trouble-free installation and removal with **no tools required**
- **Full chamber access** for cleaning convenience and minimizes risk of drip tray contamination
- **Flexibility to quickly switch between applications** and evolve with the changing needs of your laboratory



Click below to learn how Fiberlite™ Rotors let researchers focus on their work – worry-free

1

Biocontainment



2

Design



3

Performance



4

Ergonomics



5

Value



Fiberlite™ Carbon Fiber Rotors

Outstanding ergonomics and performance

Lighter materials, advanced designs and industry experience all contribute to the development of superior rotor products with better performance, efficiency and built-in safety features



5 Ways

Fiberlite™ Rotors let researchers focus on their work – worry-free

1**2****3****4****5**

1 Biocontainment

- Fiberlite™ Rotor / lid combinations, and liquid containment annulus offer features that protect the user, the centrifuge and the samples from hazardous contamination
- Biocontainment certified by Public Health England, Porton Down, UK



5 Ways

Fiberlite™ Rotors let researchers focus on their work – worry-free

1

2

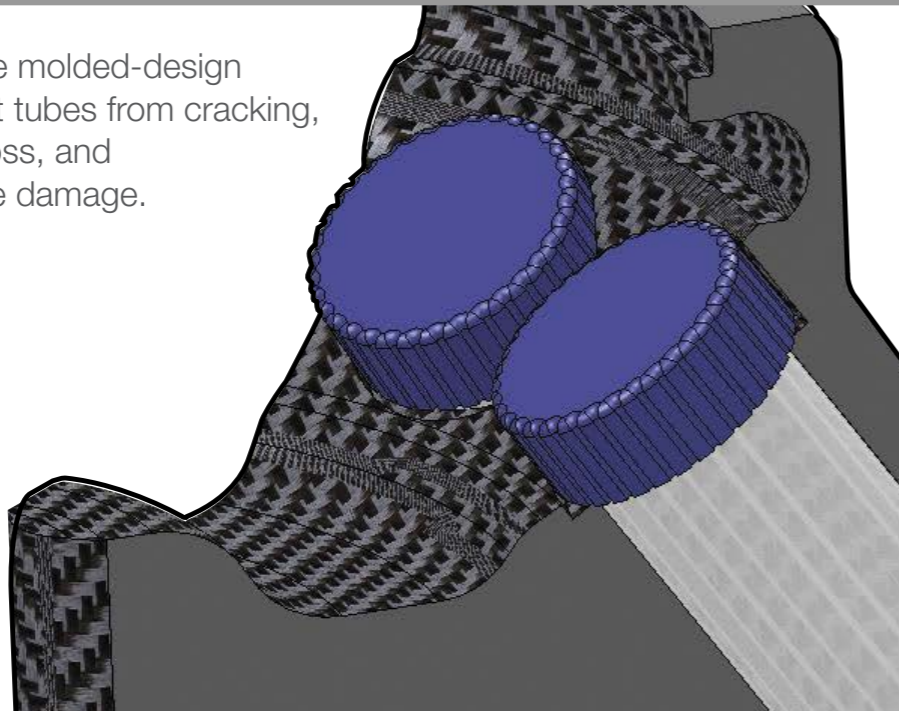
3

4

5



Innovative molded-design to protect tubes from cracking, sample loss, and centrifuge damage.



2 Design

- Corrosion-resistance and fatigue-resistance maintain the rotor's structural integrity for outstanding durability
- Fiberlite™ Rotors are designed to “unwind” rather than split or break, so your centrifuge is better protected from damage in the unlikely event of a rotor failure
- Carbon fiber offers a unique ability to mold each cavity to perfectly fit tubes, bottles and other consumables, enabling faster spins for tougher separations



5 Ways

Fiberlite™ Rotors let researchers focus on their work – worry-free

1

2

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4

5



Time savings with carbon fiber rotors

Acceleration and deceleration rate comparison of 6 x 250 mL capacity floor model rotors*

| | | |
|-------------------------------|-----------|----------------------------------|
| Fiberlite™ Carbon Fiber Rotor | 1:35/1:15 | Savings (2:55 minutes) |
| Aluminum rotor | 3:45/2:00 | |

Accel/decel rates

3 Performance

- Thermo Scientific™ Fiberlite™ Rotors are each balanced and tested before they leave the factory for precision performance
- Automatic rotor recognition eliminates the need for manual input**
- Fiberlite™ Rotors can reach higher speeds than metal equivalents, improving separations in tubes such as 15 or 50 mL conicals

* Based on a comparison with manufacturers' published specifications.

**After reaching speeds of 200 rpm; please see manual for details.



5 Ways

Fiberlite™ Rotors let researchers focus on their work – worry-free

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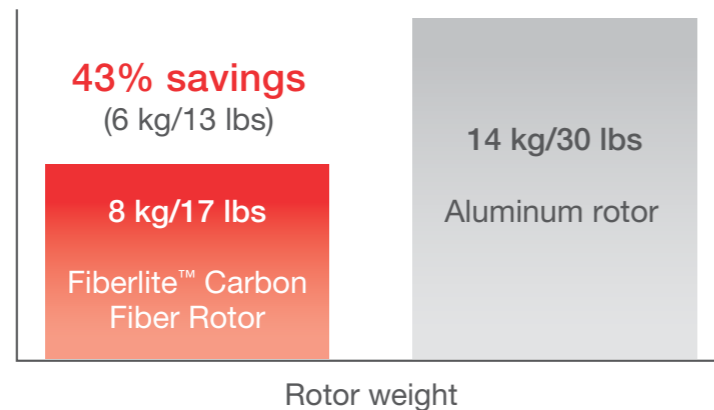
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5



Weight savings with carbon fiber rotors

Weight comparison of fully loaded 6 x 250 mL capacity floor model rotors*



Rotor weight

4 Ergonomics

- Auto-Lock™ allows push-button rotor exchange in as little as 3 seconds with no tools or complicated procedures required
- Carbon fiber is lighter in weight allowing for easier lifting in and out of the centrifuge
- Unique integrated handle design allows for easy gripping to exchange rotors for a variety of applications
- Easy rotor exchange simplifies cleaning and disinfecting procedures

* Based on a comparison with manufacturers' published specifications.



5 Ways

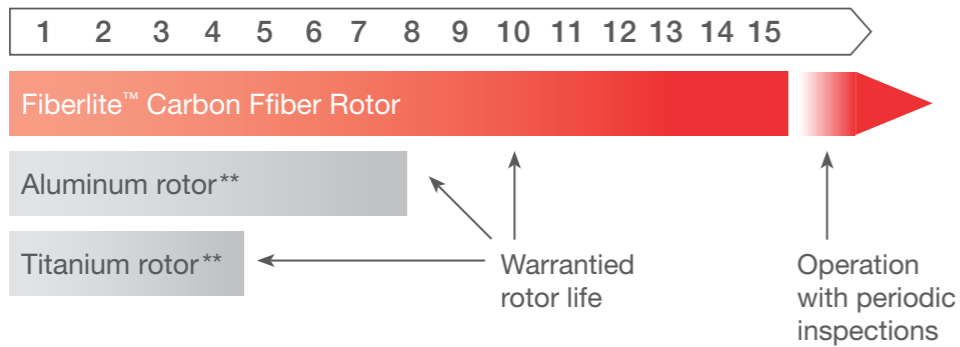
Fiberlite™ Rotors let researchers focus on their work – worry-free

- 1
- 2
- 3
- 4
- 5



Warranty with carbon fiber rotors

Average warranty periods for metal rotors compared with Fiberlite™ Carbon Fiber Rotors*



5 Value

- On-site clinics and maintenance are available to ensure proper use and care, extending the life of your rotors
- Our continuously improving rotor designs have increased the capacities available on the same size centrifuge, resulting in outstanding efficiency and throughput across the range
- Industry leading 15 year warranty

* Average warranty periods were calculated based on industry average of years an aluminum or titanium rotor may be covered under warranty per manufacturers' published specifications.

**Warranty coverage may vary by rotor. Please refer to manufacturer for specific warranty coverage for each rotor.



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
- Simple operation for all laboratory users, eliminating multi-turn screw caps and complicated high pressure clips
- Biocontainment certification by Public Health England, Porton Down, UK



Maximize capacity. Higher quality pellets.

There is a rotor available for nearly every application to solve your swinging buckets and fixed angle needs



Swinging buckets

Find your [consumable](#) >

View [rotor details](#) >



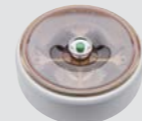
Fixed angle

Find your [consumable](#) >

View [rotor details](#) >



Swinging buckets rotors



| Thermo Scientific Rotor Name | TX-1000 | TX-750 | BIOShield 1000A | TX-400 |
|---|--------------|--------------|-----------------|--------------|
| Maximum Capacity (mL) | 4 x 1000 mL | 4 x 750 mL | 4 x 250 mL | 4 x 400 mL |
| Maximum Speed (rpm ¹) | 4200 rpm | 4700 rpm | 6000 rpm | 5000 rpm |
| Maximum RCF (x g ¹) | 4122 x g | 4816 x g | 7164 x g | 4696 x g |
| Biocontainment | ✓ (Optional) | ✓ (Optional) | ✓ (Integrated) | ✓ (Optional) |
| SL4/SL4F Plus | ✓ | ✓ | ✓ | |
| SL1 Plus | | | | ✓ |
| Maximum Capacity | | | | |
| 1000 mL Bio-Bottle | 4 | – | – | – |
| 750 mL Bio-Bottle | 4 | 4 | – | – |
| 500 mL Nalgene™ Bottle | 4 | – | – | – |
| 500 mL Corning™ Bottle | 4 | 4 | – | – |
| 250 mL Nalgene Bottle | 8 | 4 | 4 | 4 |
| 250 mL Corning Bottle | 4 | 4 | – | – |
| 225 mL - 175 mL Conical Bottle | 8 | 4 | – | 4 |
| 50 mL Conical Tube | 40 | 28 | 16 | 16 |
| 50 mL Skirted Conical Tube | 20 | 20 | 16 | – |
| 50 mL Nalgene Oak Ridge Tube | 48 | 28 | – | 16 |
| 30 mL Sterilin™ Universal Tube | 28 | 28 | 16 | 12 |
| 15 mL Conical Tube | 96 | 56 | 36 | 36 |
| 10 mL Blood Collection Tube (16 x 100 mm) | 148 | 84 | 64 | 56 |
| 5/7 mL Blood Collection Tube (13 x 75-100 mm) | 196 | 108 | 80 | 76 |
| 4.5/6 mL Blood Collection Tube | 164 | 108 | – | 64 |
| 1.5/2 mL Microtube | 192 | 192 | 224 | 136 |
| Microplate | 24 | 16 | – | – |

¹Maximum speed based on top performance models.
 Biocontainment certification by Public Health England, Porton Down, UK.
 Labware not shown to scale.



Swinging buckets rotors



| Thermo Scientific Rotor Name | BIOSHield 720 | TX-200 | M-20 | H-Flex 1 |
|---|----------------|--------------|---------------|----------|
| Maximum Capacity (mL) | 4 x 180 mL | 4 x 180 mL | 6 Microplates | 16x50 ml |
| Maximum Speed (rpm ¹) | 6300 rpm | 5500 rpm | 4000 rpm | 4700 rpm |
| Maximum RCF (x g ¹) | 7188 x g | 5580 x g | 2272 x g | 4297 x g |
| Biocontainment | ✓ (Integrated) | ✓ (Optional) | ✓ (Optional) | ✓ |
| SL4/SL4F Plus | | | ✓ | |
| SL1 Plus | ✓ | ✓ | ✓ | ✓ |
| Maximum Capacity | | | | |
| 1000 mL Bio-Bottle | - | - | - | - |
| 750 mL Bio-Bottle | - | - | - | - |
| 500 mL Nalgene™ Bottle | - | - | - | - |
| 500 mL Corning™ Bottle | - | - | - | - |
| 250 mL Nalgene Bottle | - | - | - | - |
| 250 mL Corning Bottle | - | - | - | - |
| 225 mL - 175 mL Conical Bottle | - | - | - | - |
| 50 mL Conical Tube | 8 | 4 | - | 16 |
| 50 mL Skirted Conical Tube | - | 4 | - | - |
| 50 mL Nalgene Oak Ridge Tube | - | - | - | - |
| 30 mL Sterilin™ Universal Tube | 16 | 4 | - | - |
| 15 mL Conical Tube | 24 | 20 | - | 36 |
| 10 mL Blood Collection Tube (16 x 100 mm) | 48 | 28 | - | 66 |
| 5/7 mL Blood Collection Tube (13 x 75-100 mm) | 48 | 32 | - | 84 |
| 4.5/6 mL Blood Collection Tube | - | 32 | - | - |
| 1.5/2 mL Microtube | 160 | 48 | - | - |
| Microplate | - | - | 6 | 10 |

¹Maximum speed based on top performance models.

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

Labware not shown to scale.



Rotors and adapters for swinging buckets rotors

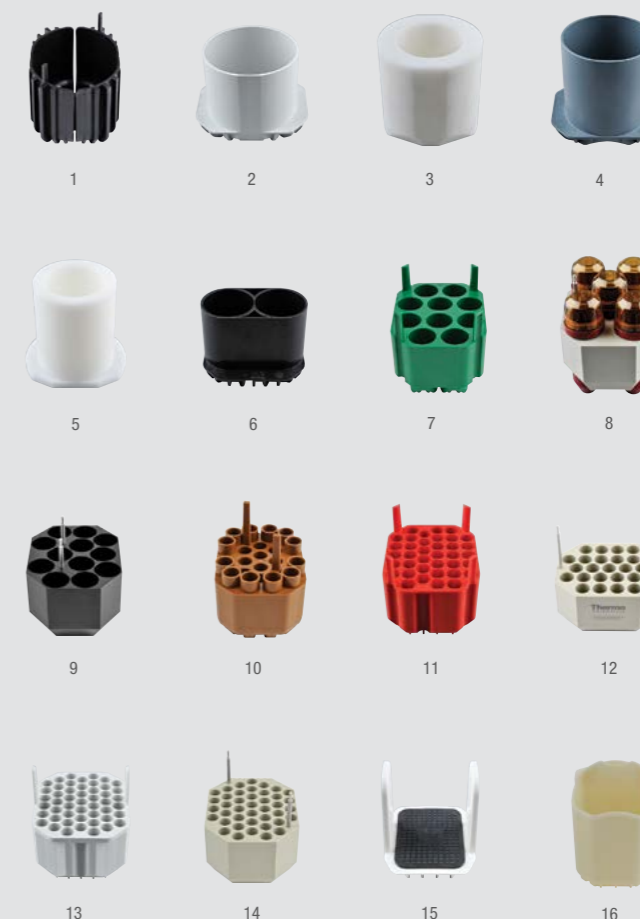
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TX-1000 Swinging Bucket Rotor¹, 90°, R_{max} 209 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|-----------------|---------------------|-------------------|
| SL4R/SL4RF Plus | 4200 | 4122 |
| SL4/SL4F Plus | 3800 | 3374 |
| SL1 Plus | n/a | n/a |

| Cat. No. | Adapter Image | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|---|---------------|---|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | | |
| 75003017 | | TX-1000 Rotor Cross | 4 x 1,000 mL or 24 microplate | |
| 75003001 | | TX-1000 Buckets (Set of 4) | | |
| 75007309 | | TX-1000 ClickSeal Biocontainment Lids (Set of 4) | | |
| 75007001 | | Replacement O-rings | | |
| 75007300 | | 1000 mL Bio-Bottle - Polypropylene (Set of 4) | | |
| Adapters for TX-1000 Rotor (Sets of 4) | | | | |
| 75007301 | | 1000 mL Bio-Bottle | 4 x 1,000 mL | 126 x 140 |
| 75007304 | | 750 mL Polypropylene Bio-Bottle and any TX-750 Round adapter | 4 x 750 mL | 98 x 133 |
| 75004253 | | 500 mL Nalgene Bottle | 4 x 500 mL | 70 x 160 |
| 75007302 | | 500 mL Corning Bottle | 4 x 500 mL | 98 x 133 |
| 75005392 | | 250 mL Corning Conical Bottle or 200 mL Nunc™ Bottle or 175 mL Nalgene Conical Bottle | 4 x 250 mL | 62 x 145 |
| 75007305 | | 250 mL Nalgene Bottle | 8 x 250 mL | 62 x 145 |
| 75007305 | | 225 mL BD Falcon™ (requires BD #352090) | 8 x 225 mL | 62 x 130 |
| 75007305 | | 200 mL Nunc Conical Bottle (requires Nunc #377585) | 8 x 200 mL | 62.5 x 139 |
| 75003674 | | 50 mL Conical Tube | 40 x 50 mL | 30 x 120 |
| 75004255 | | 50 mL Double Biocontainment Vessel for 50 mL Conical Tube (can be combined with ClickSeal lids) | 20 x 50 mL | 30 x 120 |
| 75004252 | | 50 mL Nalgene Oak Ridge Tube | 48 x 50 mL | 29.5 x 120 |
| 75007306 | | 15 mL Conical Tube | 96 x 15 mL | 17.5 x 121 |
| 75003672 | | 10 mL Blood Collection Tube (16 x 100 mm) or Corex™/Kimble™ Tubes | 148 x 10 mL | 17 x 110 |
| 75003697 | | 9/10 mL Blood Collection Tube (Sarstedt™) | 100 x 9/10 mL | 17 x 110 |
| 75003671 | | 5/7 mL Blood Collection Tube (13 x 75-100 mm) | 196 x 5/7 mL | 14 x 110 |
| 75003709 | | 4.5/6 mL Blood Collection Tube (Greiner™) | 164 x 4.5/6 mL | 14 x 110 |
| 75007303 | | Microplate Carriers | 4 x 6 Standard or 4 x 2 Deep-Well | Height < 88 mm |
| 75003829 | | Small Bag/Cell Culture Bags 4 x 2 Bags (< 350 mL) | 4 x 2 Bags | |

Adapters



more

¹Rotor, buckets and lids sold separately.

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

Rotors and adapters for swinging buckets rotors

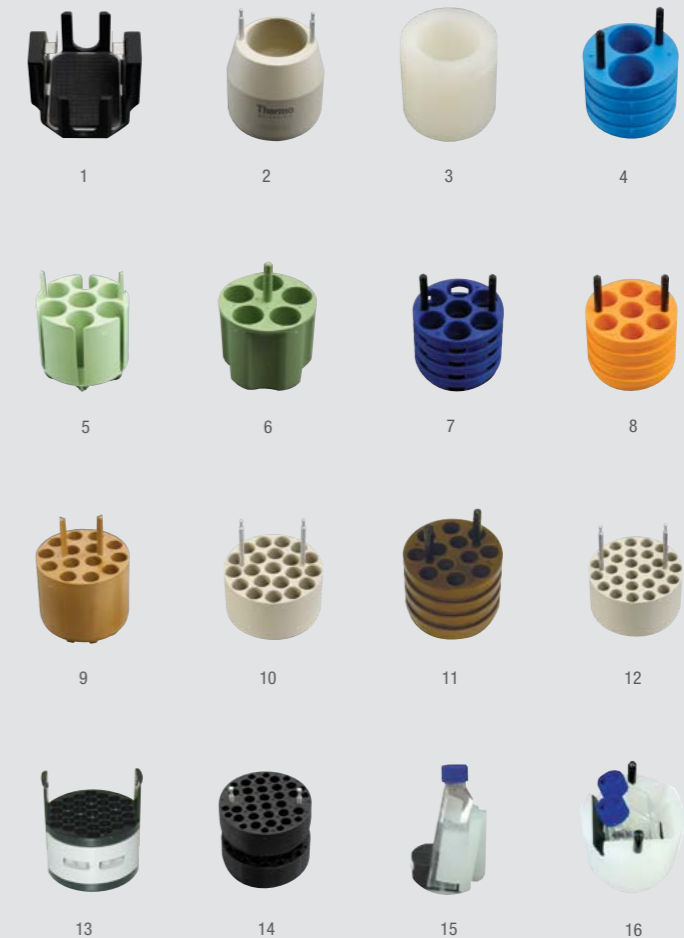


TX-750 Swinging Bucket Rotor¹, 90°, R_{max} 195 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | 4700 | 4816 |
| SL1 Plus | n/a | n/a |

| Cat. No. | Adapter Image | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|---|---------------|---|--|-------------------------------------|
| Rotor and Accessories | | | | |
| 75003180 | | TX-750 Rotor Cross | | |
| 75003608 | | TX-750 Round Buckets (Set of 4) | 4 x 750 mL | |
| 75003609 | | TX-750 Round ClickSeal Biocontainment Lids (Set of 4) ✦ | | |
| 75003610 | | Replacement TX-750 Round O-rings for lids (Set of 4) | | |
| 75003699 | | 750 mL Bio-Bottle - Polypropylene (Set of 12) | | |
| 75003795 | 1 | Microplate Carriers and T-75 Flask (includes tray and pads) (Set of 2) | 4 Standard Microplate or 1 Deep well plate per carrier | Maximum height 60 mm |
| 75003617 | 1 | Microplate Carriers and T-75 Flask (includes tray and pads) (Set of 4) | | |
| Adapters for TX-750 Rotor (Sets of 4, unless stated otherwise) | | | | |
| Direct | | 750 mL Bio-Bottle | 4 x 750 mL | 98 x 133 |
| Direct | | 500 mL Corning Conical Bottle | 4 x 500 mL | 98 x 133 |
| 75003792 | 2 | 250 mL Corning Conical Bottle (unsealed buckets only) | 4 x 250 mL | 62.5 x 139 |
| 75003710 | 3 | 250 mL Nalgene Bottle | 4 x 250 mL | 62.5 x 139 |
| 75003710 | 3 | 225 mL/175 mL BD Falcon Conical Bottle (requires BD #352090) (Open buckets only) | 4 x 225 mL | 62.5 x 139 |
| 75003710 | 3 | 200 mL Nunc Conical Bottle (requires Nunc #377585) (Open buckets only) | 4 x 200 mL | 62.5 x 139 |
| 75003710 | 3 | 175 mL Nalgene Conical Bottle (requires Nalgene #DS3126-0175) (Open buckets only) | 4 x 175 mL | 62.5 x 139 |
| 75003713 | 4 | 100 mL Round Bottom Open-Top Tube | 8 x 100 mL | 45 x 123 |
| 75003638 | 5 | 50 mL Conical Tube | 28 x 50 mL | 30 x 120 |
| 75003824 | 6 | 50 mL Conical or Skirted Tube | 20 x 50 mL | 30 x 120 |
| 75003715 | 7 | 50 mL Nalgene Oak Ridge Tube | 28 x 50 mL | 29.5 x 120 |
| 75003716 | 8 | 30 mL Sterilin Universal Tube | 28 x 30 mL | 25.5 x 120 |
| 75003639 | 9 | 15 mL Conical Tube | 56 x 15 mL | 17 x 122 |
| 75003719 | 10 | 15 mL Blood Collection Tube (17 x 125 mm) (inner circle only) | 32 x 15 mL | 17 x 134 |
| 75003719 | 11 | 10 mL Blood Collection (16 x 100 mm) or 15 mL Corex/Kimble Tube | 84 x 10/15 mL | 17 x 117 |
| 75003718 | 11 | 14 mL Round or Conical Urine Tube | 48 x 14 mL | 18 x 124 |
| 75003723 | 12 | 5/7 mL or 4.5/6 mL Blood Collection Tube (13 x 75-100 mm) | 108 x 5/7 mL | 13 x 116 |
| 75003724 | 13 | 5 mL RIA or Round Bottom Tube (with out cap) | 148 x 5 mL | 13 x 111 |
| 75003732 | 14 | 5/7 mL Round Bottom Tube (without cap) with Decanting Aid | 148 x 5/7 mL | 13 x 111 |
| 75003733 | 14 | 1.5/2 mL Microtube | 192 x 2 mL | 11 x 50 |
| 75008383 | 15 | T-75 Nunc Easy Flask (Set of 2) | 4 x T-75 | - |
| 75008384 | 16 | T-25 Nunc Easy Flask (Set of 2) | 8 x T-25 | - |

Adapters



¹Rotor, buckets and lids sold separately.

✦ Biocontainment certification by Public Health England, Porton Down, UK.

Rotors and adapters for swinging buckets rotors



TX-750 Swinging Bucket Rotor, 90°, R_{max} 195 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|----------------------------|---------------------|-------------------|
| SL4R/SL4RF Plus, 230 V | 4700 | 4816 |
| SL4/SL4F Plus, 230V | 4500 | 4415 |
| SL4/SL4F Plus Series, 120V | 4300 | 4031 |
| SL1 Plus | n/a | n/a |

| Cat. No. | Adapter Image | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|--|---------------|--|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | | |
| 75003180 | | TX-750 Rotor Cross | | |
| 75003614 | | TX-750 Rectangular Buckets (Set of 4) | 4 x 250 mL | |
| 75003615 | | TX-750 Rectangular Click Seal Biocontainment Lids (Set of 4) | | |
| 75003616 | | Replacement TX-750 Rectangular O-rings for lids (Set of 4) | | |
| Adapters for TX-750 Rotor (Sets of 4) | | | | |
| 75003737 | | 250 mL Flat Bottom Bottle | 4 x 250 mL | 63 x 130 |
| 75003738 | | 150 mL Round Bottom Open-Top Tube | 4 x 150 mL | 56 x 124 |
| 75003742 | | 100 mL Round Bottom Open-Top Tube | 4 x 100 mL | 46 x 124 |
| 75003685 | | 50 mL Conical Tube | 20 x 50 mL | 30 x 121 |
| 75003749 | | 50 mL Round Bottom Tube | 12 x 50 mL | 35 x 121 |
| 75003750 | | 45 mL Flat/Round Tube | 16 x 45 mL | 30 x 121 |
| 75003755 | | 30 mL Sterilin Universal Tube | 16 x 30 mL | 26 x 121 |
| 75003756 | | 25 mL DIN Round Bottom Tube | 24 x 25 mL | 26 x 121 |
| 75003684 | | 15 mL Conical Tube | 48 x 15 mL | 17 x 120 |
| 75003758 | | 14 mL Flanged Round Bottom Tube | 36 x 14 mL | 18 x 121 |
| 75003759 | | 14 mL Round or Conical Urine Tube | 36 x 15 mL | 17 x 124 |
| 75003767 | | 10 mL Blood Collection (16 x 100 mm) or 15 mL DIN Tube | 64 x 10/15 mL | 17 x 118 |
| 75003768 | | 5/7 mL or 4.5/6 mL Blood Collection Tube | 80 x 5/7 mL | 14 x 118 |
| 75003769 | | 5/7 mL Round Bottom Tube (13 x 75-100 mm) | 112 x 5/7 mL | 13 x 119 |
| 75003770 | | 1.5/2 mL Microtube | 224 x 2 mL | 11 x 50 |

Adapters



more

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

Rotors and adapters for swinging buckets rotors



BIOShield 1000A Swinging Bucket Rotor, 90°, R_{max} 178 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | 5300 | 5590 |
| SL1 Plus | n/a | n/a |

| Cat. No. | Adapter Image | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|---|---------------|--|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | | |
| 75003182 | | BIOShield 1000A | 4 x 250 mL | |
| Adapters for BIOShield 1000A Rotor (Sets of 4) | | | | |
| 75003737 | 1 | 250 mL Flat Bottom Bottle | 4 x 250 mL | 63 x 130 |
| 75003738 | 2 | 150 mL Round Bottom Open-Top Tube | 4 x 150 mL | 56 x 124 |
| 75003742 | 3 | 100 mL Round Bottom Open-Top Tube | 4 x 100 mL | 46 x 124 |
| 75003749 | 4 | 50 mL Round Bottom Tube | 12 x 50 mL | 35 x 121 |
| 75003750 | 5 | 45 mL Flat/Round Tube | 16 x 45 mL | 30 x 121 |
| 75003755 | 6 | 30 mL Sterilin Universal Tube | 16 x 30 mL | 30 x 121 |
| 75003756 | 7 | 25 mL DIN Round Bottom Tube | 24 x 25 mL | 26 x 121 |
| 75003758 | 8 | 14 mL Flanged Round Bottom Tube | 36 x 14 mL | 18 x 121 |
| 75003759 | 9 | 14 mL Round or Conical Urine Tube | 36 x 15 mL | 17 x 124 |
| 75003767 | 10 | 10 mL Blood Collection (16 x 100 mm) or 15 mL DIN Tube | 64 x 10/15 mL | 17 x 118 |
| 75003768 | 11 | 5/7 mL or 4.5/6 mL Blood Collection Tube | 80 x 5/7 mL | 14 x 118 |
| 75003769 | 12 | 5/7 mL Round Bottom Tube (13 x 75-100 mm) | 112 x 5/7 mL | 13 x 119 |
| 75003770 | 13 | 1.5/2 mL Microtube | 224 x 2 mL | 11 x 50 |
| 75003643 | 14 | 50 mL Conical Tube | 16 x 50 mL | 30 x 121 |
| 75003642 | 15 | 15 mL Conical Tube | 36 x 15 mL | 17 x 120 |

Adapters



more >

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

Rotors and adapters for swinging buckets rotors

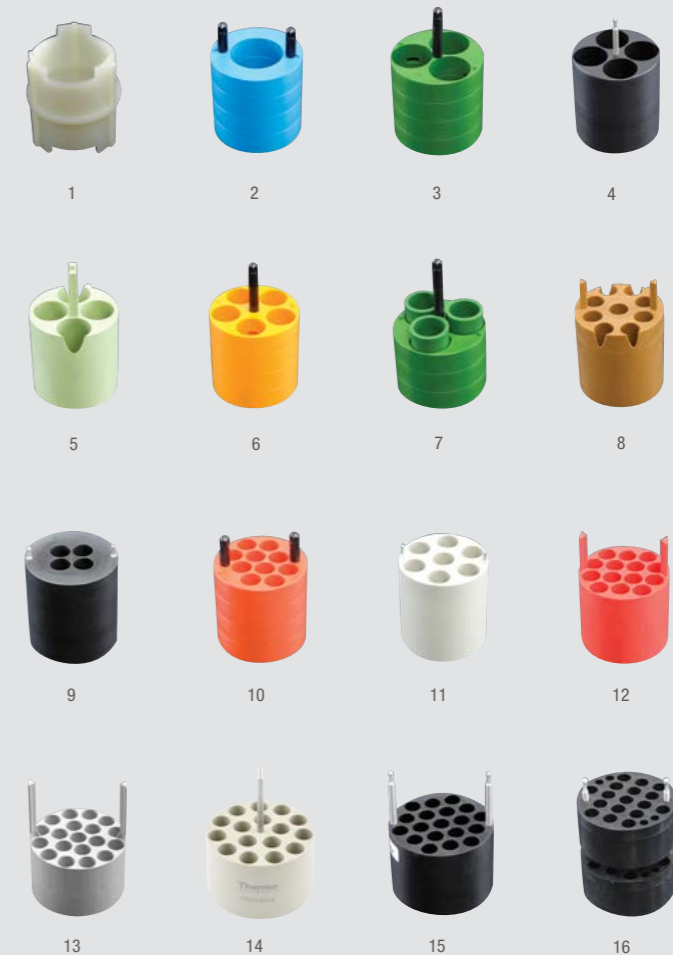


TX-400 Swinging Bucket Rotor¹, 90°, R_{max} 168 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | n/a | n/a |
| SL1 Plus | 5000 | 4696 |

| Cat. No. | Adapter Image | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|--|---------------|--|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | | |
| 75003181 | | TX-400 Rotor Cross | | |
| 75003655 | | TX-400 Round Buckets (Set of 4) | 4 x 400 mL | |
| 75003656 | | TX-400 Round ClickSeal Biocontainment Lids (Set of 4) ♦ | | |
| 75003657 | | Replacement TX-400 O-rings for lids (Set of 4) | | |
| 75007585 | | 400 mL Bio-Bottle - Polypropylene (Set of 12) | | |
| Adapters for TX-400 Rotor (Sets of 4) | | | | |
| Direct | | 400 mL Bio-Bottle | 4 x 400 mL | 80 x 125 |
| 75003788 | 1 | 250 mL Thermo Scientific Nalgene™ Bottle | 4 x 250 mL | 62 x 135 |
| 75003788 | 1 | 200 mL Thermo Scientific Nunc Conical Bottle (requires Nunc #377585) | 4 x 200 mL | 62 x 125 |
| 75003788 | 1 | 225 mL/175 mL BD Falcon Conical Bottle (requires BD #352090) | 4 x 175 mL | 62 x 125 |
| 75003708 | 2 | 100 mL Round Bottom Open-Top Tube | 4 x 100 mL | 45 x 117 |
| 75003707 | 3 | 50 mL DIN Round Bottom Tube | 12 x 50 mL | 34.5 x 105 |
| 75003799 | 4 | 50 mL Nalgene™ Oak Ridge Tube | 16 x 50 mL | 29.5 x 114 |
| 75003683 | 5 | 50 mL Conical Tube | 16 x 50 mL | 30 x 116 |
| 75003703 | 6 | 30/25 mL DIN Round/Flat Bottom Tube | 20 x 30 mL | 25.5 x 108 |
| 75003706 | 7 | 30 mL Sterilin Universal Tube | 12 x 30 mL | 25 x 110 |
| 75003682 | 8 | 15 mL Conical Tube | 36 x 15 mL | 17 x 121 |
| 75003794 | 9 | 15 mL Blood Collection Tube (17 x 125 mm) | 16 x 15 mL | 17 x 131 |
| 75003704 | 10 | 15 mL Round Bottom Tube (Sarstedt) | 40 x 15 mL | 17 x 105 |
| 75003798 | 11 | 14 mL Round or Conical UrineTube | 28 x 14 mL | 17 x 112 |
| 75003681 | 12 | 10 mL Blood Collection (16 x 100 mm) | 56 x 10/15 mL | 16 x 113 |
| 75003680 | 13 | 5/7 mL Blood Collection Tube (13 x 75-100 mm) | 76 x 5/7 mL | 13 x 110 |
| 75003825 | 14 | 4.5/6 mL Blood Collection Tube (Greiner) | 64 x 4.5/6 mL | 13 x 110 |
| 75003793 | 15 | 3 mL RIA or Round Bottom Tube (without cap) | 76 x 3/5 mL | 11 x 110 |
| 75003700 | 16 | 1.5/2 mL Microtube | 136 x 2 mL | 11 x 45 |

Adapters



more >

¹Rotor, buckets and lids sold separately.

♦ Biocontainment certification by Public Health England, Porton Down, UK.



Rotors and adapters for swinging buckets rotors



BIOShield 720 Swinging Bucket Rotor, 90°, R_{max} 162 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | n/a | n/a |
| SL1 Plus | 5300 | 5088 |



| Cat. No. | Adapter Image | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|--|---------------|---|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | | |
| 75003183 | | BIOShield 720 | 4 x 180 mL | n/a |
| 75003693 | | 180 mL Bio-Bottle - Polypropylene (Set of 12) | | |
| BIOShield 720A Adapters (Sets of 4) | | | | |
| 75003813 | 1 | 150 mL Round Bottom Open-Top Tube | 4 x 150 mL | 50 x 122 |
| 75003814 | 2 | 100 mL Round Bottom Open-Top Tube | 4 x 100 mL | 44 x 120 |
| 75003677 | 3 | 50 mL Conical Tube | 8 x 50 mL | 30 x 116 |
| 75003816 | 4 | 50 mL DIN Round Bottom Tube | 8 x 50 mL | 34 x 109 |
| 75003818 | 5 | 30 mL Sterilin Universal Tube | 16 x 30 mL | 26 x 105 |
| 75003817 | 6 | 25 mL DIN Round Bottom Tube | 20 x 25 mL | 25 x 107 |
| 75003678 | 7 | 15 mL Conical Tube | 24 x 15 mL | 17 x 120 |
| 75003820 | 8 | 15 mL Sarstedt Tube | 44 x 15 mL | 17 x 103 |
| 75003701 | 9 | 10 mL Blood Collection Tube (16 x 100 mm) | 48 x 10 mL | 17 x 105 |
| 75003821 | 10 | 5/7 mL Blood Collection Tube (13 x 75-100 mm) | 48 x 5/7 mL | 13 x 106 |
| 75003822 | 11 | 5/7 mL Round Bottom Open-Top Tube | 80 x 5/7 mL | 13 x 104 |
| 75003823 | 12 | 1.5/2 mL Conical Microtube | 160 x 2 mL | 11 x 45 |

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✦ Biocontainment certification by Public Health England, Porton Down, UK.

Rotors and adapters for swinging buckets rotors



TX-200 Swinging Bucket Rotor¹, 90°, R_{max} 165 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|-------------------------|---------------------|-------------------|
| SL4/SL4F Plus | n/a | n/a |
| SL1R Plus 230V and 120V | 5500 | 5580 |
| SL1R Plus 120V | 5250 | 5084 |

| Cat. No. | Adapter Image | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|--|---------------|---|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | | |
| 75003658 | | TX-200 Rotor Cross | | |
| 75003659 | | TX-200 Round Buckets (Set of 4) | 4 x 180 mL | |
| 75003660 | | TX-200 Round ClickSeal Biocontainment Lids (Set of 4) ♦ | | |
| 75003687 | | Replacement TX-200 O-rings for lids (Set of 4) | | |
| 75003800 | | 180 mL Bio-Bottle - Polypropylene (Set of 12) | | |
| Adapters for TX-200 Rotor (Sets of 4) | | | | |
| Direct | | 180 mL Bio-Bottle | 4 x 180 mL | 56.5 x 123 |
| 75003801 | 1 | 100 mL Round Bottom Open-Top Tube | 4 x 100 mL | 48 x 122 |
| 75003802 | 2 | 50 mL DIN Round Bottom Tube | 4 x 50 mL | 35 x 126 |
| 75003815 | 3 | 50 mL Round Bottom Tube | 4 x 50 mL | 32 x 126 |
| 75003803 | 4 | 50 mL Conical or Skirted Tube | 4 x 50 mL | 30 x 126 |
| 75003804 | 5 | 30 mL Sterilin™ Universal Tube | 4 x 30 mL | 26 x 118 |
| 75003805 | 6 | 25 mL DIN Round/Flat Bottom Tube | 8 x 25 mL | 25 x 118 |
| 75003806 | 7 | 20 mL Round Bottom Tube | 12 x 25 mL | 22 x 125 |
| 75003771 | 8 | 15 mL Conical Tube | 20 x 20 mL | 17 x 121 |
| 75003809 | 9 | 15 mL Blood Collection Tube | 16 x 15 mL | 17 x 121 |
| 75003807 | 10 | 14 mL Conical Urine Tube | 8 x 14 mL | 17 x 114 |
| 75003808 | 11 | 10 mL Blood Collection (16 x 100 mm) or 15 mL Corex/Kimble Tube | 28 x 10/15 mL | 17 x 121 |
| 75003785 | 12 | 5/7 mL or 4.5/6 mL Blood Collection Tube (13 x 75-100 mm) | 32 x 5/7 mL | 13 x 122 |
| 75003810 | 13 | 5/7 mL Round Bottom Open-Top Tube | 36 x 5/7 mL | 13 x 118 |
| 75003811 | 14 | 3/5 mL RIA or Round Bottom Tube (without cap) | 48 x 3/5 mL | 12 x 124 |
| 75003812 | 15 | 1.5/2 mL Microtube | 48 x 2 mL | 11 x 45 |

Adapters

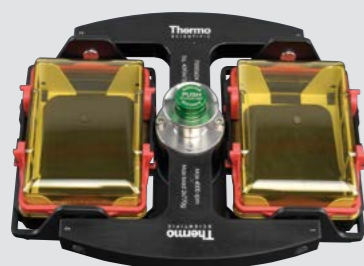


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¹Rotor, buckets and lids sold separately.

♦ Biocontainment certification by Public Health England, Porton Down, UK.

Rotors and adapters for swinging buckets rotors



M-20 Swinging Bucket Rotor¹, 90°, R_{max} 127 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | 4000 | 2272 |
| SL1 Plus | 4000 | 2272 |

| Cat. No. | Description | Rotor Capacity (places x volume, mL) | Maximum Height |
|------------------------------|--|--------------------------------------|----------------|
| Rotor and Accessories | | | |
| 75003624 | M-20 Microplate Rotor including standard open carriers | 2 x 3 Standard Microplate | < 65 mm |
| 75003625 | ClickSeal Carriers including Carrier and lids | 2 x 1 Deepwell | < 45 mm |
| 75002011 | ClickSeal Replacement lids (Set of 2) | | |
| 75002012 | Replacement M-20 O-rings for lids | | |

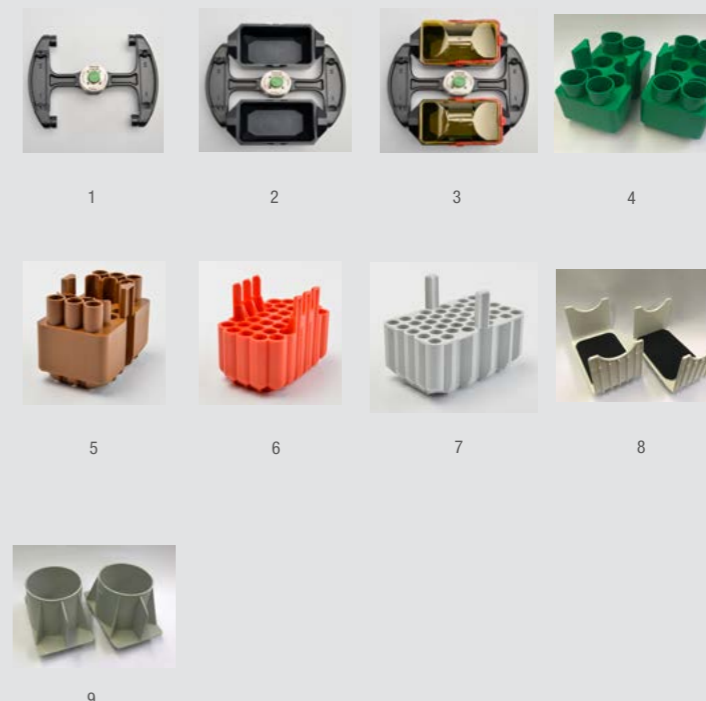


H-Flex 1 Swinging Bucket Rotor, 90°, R_{max} 170 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL1 Plus | 4700 | 4297 |
| SL4/SL4F Plus | n/a | n/a |

| Cat. No. | Adapter Image | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|--|---------------|--|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | | |
| 75003300 | 1 | H-Flex 1 Rotor Cross (Buckets and Lids sold separately) | | |
| 75003301 | 2 | H-Flex 1 Rotor Buckets (Set of 2) | | |
| 75003302 | 3 | H-Flex 1 Rotor Biocontainment Lids (Set of 2) | | |
| 75003309 | | H-Flex 1 Rotor Biocontainment Lid Replacement O-Rings (Set of 2) | | |
| 75003330 | | H-Flex HS4 Rotor | | |
| 75003338 | | H-Flex HS4 Spare Bucket (Set of 2) | | |
| 75003339 | | H-Flex HS4 Spare Windshield Lid | | |
| Adapters for H-Flex 1 Rotor (Sets of 2) | | | | |
| 73003303 | 4 | 50 mL Conical Tube | 16 x 50 mL | 30 x 126 |
| 73003304 | 5 | 15 mL Conical Tube | 36 x 15 mL | 17 x 121 |
| 73003305 | 6 | 10/12 mL Blood Collection Tube (16x100) | 66 x 10/15mL | 16 x 133 |
| 73003306 | 7 | 5/7 mL Blood Collection Tube (13x75-100mm) | 84 x 5/7 mL | 13 x 110 |
| 73003307 | 8 | Microplate Carriers | 10 standard, 2 deepwell | n/a |
| 73003308 | 9 | H-Flex 1 Rotor 400m Bottle and Centri-lab Adapter* | n/a | n/a |

Rotors and Adapters



*A software update requiring a service call by your Thermo Scientific representative may be required. Please contact your local salesperson for more information; 400mL Bottle/CentriLab Adapter maximum speed is 3800 rpm and 2800 x g.

¹Biocontainment system sold separately.

♦Biocontainment certification by Public Health England, Porton Down, UK.



Fixed angle rotors



| Thermo Scientific Rotor Name | Fiberlite F15-6x100y | Fiberlite F10-6x100 LEX | CLINIConic | 8 x 50 Sealed | HIGHConic II |
|---|----------------------|-------------------------|------------|----------------|--------------|
| Maximum Capacity (mL) | 6 x 100 mL | 6 x 100 mL | 30 x 15 mL | 8 x 50 mL | 6 x 100 mL |
| Maximum Speed (rpm ¹) | 15000 rpm | 10,500 rpm | 5650 rpm | 6700 rpm | 10350 rpm |
| Maximum RCF (x g ¹) | 24652 x g | 15038 x g | 4997 x g | 7177 x g | 15090 x g |
| Biocontainment | ✓ | ✓ | | ✓ (Individual) | ✓ |
| SL4/SL4F Plus | ✓ | ✓ | | | ✓ |
| SL1 Plus | ✓ | ✓ | ✓ | ✓ | ✓ |
| Maximum Capacity | | | | | |
| 250 mL Nalgene Bottle | – | – | – | – | – |
| 85 mL Nalgene Oak Ridge Tube | 6 | 6 | – | – | 6 |
| 50 mL Nalgene Oak Ridge Tube | 6 | 6 | – | – | 6 |
| 50 mL Conical Tube | 6 | 6 | – | 8 | 6 |
| 30 mL Nalgene Oak Ridge Tube | 6 | 6 | – | – | 6 |
| 16 mL Nalgene Oak Ridge Tube | 6 | 6 | – | – | 6 |
| 15 mL Conical Tube | 6 | 6 | 30 | 8 | 6 |
| 10 mL Nalgene Oak Ridge Tube | 12 | 12 | – | – | 12 |
| 10 mL Blood Collection Tube (16 x 100 mm) | – | – | 30 | 8 | – |
| 5/7 mL Blood Collection Tube (13 x 75-100 mm) | – | – | 30 | 8 | – |
| 6.5 mL Round Tube | 12 | 12 | – | – | 12 |
| 1.5/2 mL Microtube | 24 | 24 | – | – | 24 |

¹Maximum speed based on top performance models.

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

Labware not shown to scale.



Fixed angle rotors



| Thermo Scientific Rotor Name | MicroClick 18 x 5 | Fiberlite F21-48x2 | Microliter 48 x 2 | MicroClick 30 x 2 | Microliter 30 x 2 |
|---|-------------------|--------------------|-------------------|--------------------------------|-------------------|
| Maximum Capacity (mL) | 18 x 5 mL | 48 x 2 mL | 48 x 2 mL | 30 x 2 mL | 30 x 2 mL |
| Maximum Speed (rpm ¹) | 15000 rpm | 15200 rpm | 15200 rpm | 14000 rpm | 15200 rpm |
| Maximum RCF (x g ¹) | 24652 x g | 25055 x g | 25314 x g | 21693 x g | 25830 x g |
| Biocontainment | ✓ | ✓ | ✓ | ✓ | ✓ |
| SL4/SL4F Plus | ✓ | ✓ | ✓ | ✓ | ✓ |
| SL1 Plus | ✓ | ✓ | ✓ | ✓ | ✓ |
| Maximum Capacity | | | | | |
| 250 mL Nalgene Bottle | - | - | - | - | - |
| 85 mL Nalgene Oak Ridge Tube | - | - | - | - | - |
| 50 mL Nalgene Oak Ridge Tube | - | - | - | - | - |
| 50 mL Conical Tube | - | - | - | - | - |
| 30 mL Nalgene Oak Ridge Tube | - | - | - | - | - |
| 16 mL Nalgene Oak Ridge Tube | - | - | - | - | - |
| 15 mL Conical Tube | - | - | - | - | - |
| 10 mL Nalgene Oak Ridge Tube | - | - | - | - | - |
| 10 mL Blood Collection Tube (16 x 100 mm) | - | - | - | - | - |
| 5/7 mL Blood Collection Tube (13 x 75-100 mm) | - | - | - | - | - |
| 6.5 mL Round Tube | 18 | - | - | - | - |
| 1.5/2 mL Microtube | 18 | 48 | 48 | 30 (Including spin columns) | 30 |

¹Maximum speed based on top performance models.

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

Labware not shown to scale.



Rotors and adapters for fixed angle rotors

page 1 of 5

Fiberlite F15-6x100y Fixed Angle Rotor, 25°, R_{max} 98 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | 13000 | 18516 |
| SL1 Plus | 13000 | 18516 |

Fiberlite F10-6x100 LEX Fixed Angle Rotor, 45°, R_{max} 122 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | 10500 | 15038 |
| SL1 Plus | 10500 | 15038 |

more

| Cat. No. | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|--|--|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | |
| 75003698 | Fiberlite F15-6 x 100y Rotor for 100 mL/85 mL Nalgene ♦ | 6 x 100 mL | 38 x 106 |
| 021-069031 | Replacement O-Ring Kit | | |
| 75003340 | Fiberlite F10-6 x 1000 LEX Rotor for 100 mL/85mL Nalgene ♦ | 6 x 100 mL | 38 x 106 |
| 021-06935 | Replacement O-Ring Kit | | |
| 3118-0085 | 85 mL Nalgene Oak Ridge Tube (Set of 50) | 6 x 85 mL | 38 x 106 |
| Adapters for F15-6 x 100y Rotor (Each, unless stated otherwise) | | | |
| 75003102 | 50 mL Nalgene Oak Ridge Tube | 6 x 50 mL | 29.5 x 117 |
| 75003103 | 50 mL Conical Tube | 6 x 50 mL | 30 x 121 |
| 75003094 | 30 mL Nalgene™ Oak Ridge Tube / 38 mL Round Tube | 6 x 30 mL | 26 x 110 |
| 76002906 | 16 mL Nalgene Oak Ridge Tube | 6 x 16 mL | 18 x 123 |
| 75003095 | 15 mL Conical Tube | 6 x 15 mL | 17 x 123 |
| 75003093 | 10 mL Nalgene Oak Ridge Tube / 12 mL Round Tube | 12 x 12 mL | 17 x 95 |
| 75003092 | 6.5 mL Round Bottom Tube | 12 x 6.5 mL | 13 x 114 |
| 75003091 | 1.5/2 mL Microtube | 24 x 2 mL | 11 x 40 |

♦ Biocontainment certification by Public Health England, Porton Down, UK.



Rotors and adapters for fixed angle rotors

page 2 of 5

CLINIConic Fixed Angle Rotor, 37°, R_{max} 140 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | n/a | n/a |
| SL1 Plus | 5650 | 4997 |

| Cat. No. | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|---|--|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | |
| 75003623 | CLINIConic Fixed Angle Rotor for 15 mL Round and Conical Tubes | 30 x 15 mL | 17 x 121 |
| Adapters for CLINIConic Rotor (Each) | | | |
| 75003702 | 10 mL Round Bottom Tube | 30 x 10 mL | 17 x 131 |
| 11172596 | 7 mL Blood Collection Tubes (13 x 100 mm) | 30 x 7 mL | 17 x 131 |
| 11172595 | 5 mL Blood Collection Tubes (13 x 75 mm) | 30 x 5 mL | 13 x 95 |

8 x 50 Individually Sealed Fixed Angle Rotor, 45°, R_{max} 143 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | n/a | n/a |
| SL1 Plus 230V | 6700 | 7177 |
| SL1 Plus 120V | 6500 | 6755 |

| Cat. No. | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|--|---|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | |
| 75003694 | 8 x 50 Individually Sealed for 50 mL Conical Tubes [✦] | 8 x 50 mL | 30 x 121 |
| 75003689 | Replacement O-Ring Kit | | |
| Adapters for 8 x 50 Sealed Rotor (Set of 6) | | | |
| 75005755 | 15 mL Conical Tube | 8 x 50 mL | 17 x 121 |
| 75005747 | 10 mL Blood Collection Tube (16 x 100 mm) | 8 x 10 mL | 16 x 110 |
| 75005805 | 7 mL Blood Collection Tube (13 x 100 mm) (set of 2) | 8 x 7 mL | 13 x 110 |
| 75005749 | 3.5 mL Blood Collection Tube | 16 x 3.5 mL | 11 x 75 |

[✦] Biocontainment certification by Public Health England, Porton Down, UK.



Rotors and adapters for fixed angle rotors

page 3 of 5

HIGHConic II Aluminium Fixed Angle Rotor, 45°, R_{max} 126 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | 10350 | 15090 |
| SL1 Plus | 10350 | 15090 |

| Cat. No. | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|---|---|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | |
| 75003620 | HIGHConic Fixed Angle Rotor for 100 mL/85 mL Nalgene Oak Ridge Tube ♦ | 6 x 100 mL | 38 x 123 |
| 75003058 | Replacement O-Ring Kit | | |
| 3118-0085 | 85 mL Nalgene Oak Ridge Tube (Set of 50) | 6 x 85 mL | 38 x 106 |
| Adapters for HIGHConic Rotor (Each, unless stated) | | | |
| 75003102 | 50 mL Nalgene Oak Ridge Tube | 6 x 50 mL | 30 x 117 |
| 75003103 | 50 mL Conical Tube | 6 x 50 mL | 30 x 121 |
| 75003094 | 30 mL Nalgene Oak Ridge Tube / 38 mL Round Tube | 6 x 30 mL | 26 x 110 |
| 76002906 | 16 mL Nalgene Oak Ridge Tube | 6 x 16 mL | 18 x 123 |
| 75003095 | 15 mL Conical Tube | 6 x 15 mL | 17 x 123 |
| 75003093 | 10 mL Nalgene Oak Ridge Tube / 12 mL Round Tube | 12 x 12 mL | 17 x 95 |
| 75003092 | 6.5 mL Round Bottom Tube | 12 x 6.5 mL | 13 x 114 |
| 75003091 | 1.5/2 mL Microtube | 24 x 2 mL | 11 x 40 |

MicroClick 18x5 Aluminum Fixed Angle Rotor, 45°, R_{max} 102 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | 15000 | 24652 |
| SL1 Plus | 15000 | 24652 |

| Cat. No. | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|--------------------------------------|--|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | |
| 75005765 | 18 x 5 MicroClick Rotor for 5mL Conical and Flip Top Tubes ♦ | 18 x 5 mL | 17 x 6 |
| 20059119 | ClickSeal | n/a | n/a |
| 75005726 | O-Ring Set | n/a | n/a |
| 75003500 | O-Ring Grease | n/a | n/a |
| Adapters for MicroClick Rotor | | | |
| 75005756 | 1.5/2 mL Microtube | 18 x 5 | 11 x 45 |

♦ Biocontainment certification by Public Health England, Porton Down, UK.



Rotors and adapters for fixed angle rotors

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Fiberlite F21-48x2 Fixed Angle Rotor, 45°, R_{max} 97 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | 15200 | 25055 |
| SL1 Plus | 15200 | 25055 |

| Cat. No. | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|------------------------------|--|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | |
| 75003664 | Fiberlite F21-48 x 2 for 1.5/2 mL Microtubes ♦ | 48 x 2 mL | 11 x 50 |
| 021-489021 | Replacement O-Ring Kit | | |

Microliter 48 x 2 Aluminium Fixed Angle Rotor, 45°, R_{max} 98 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | 15200 | 25314 |
| SL1 Plus | 15200 | 25314 |

| Cat. No. | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|------------------------------|--|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | |
| 75003602 | 48 x 2 Aluminium for 1.5/2 mL Microtubes ♦ | 48 x 2 mL | 11 x 50 |
| 75003349 | Replacement O-Ring Kit | | |

♦ Biocontainment certification by Public Health England, Porton Down, UK.



Rotors and adapters for fixed angle rotors

page 5 of 5

MicroClick 30 x 2 Aluminum Fixed Angle Rotor, 45°, R_{max} 99 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | 14000 | 21693 |
| SL1 Plus | 14000 | 21693 |

| Cat. No. | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|------------------------------|--|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | |
| 75005719 | 30 x 2 MicroClick for 1.5/2 mL Microtubes and Spin Columns ♦ | 30 x 2 mL | 11 x 50 |
| 75005726 | Replacement O-Ring Kit | | |

Microliter 30 x 2 Aluminum Fixed Angle Rotor, 45°, R_{max} 100 mm

| Centrifuge | Maximum Speed (rpm) | Maximum RCF (x g) |
|---------------|---------------------|-------------------|
| SL4/SL4F Plus | 15200 | 25830 |
| SL1 Plus | 15200 | 25830 |

| Cat. No. | Description | Rotor Capacity (places x volume, mL) | Maximum Tube Dimensions (Ø x L, mm) |
|---|---|--------------------------------------|-------------------------------------|
| Rotor and Accessories | | | |
| 75003652 | 30 x 2 Aluminum for 1.5/2 mL Microtubes ♦ | 30 x 2 mL | 11 x 50 |
| 75003349 | Replacement O-Ring Kit | | |
| Adapters for all Microliter Rotors (Set of 30) | | | |
| 75005753 | 0.5 mL Microtube | | 8 x 44 |
| 75005754 | 0.25 mL Microtube | | 6 x 46 |
| 75005752 | 0.2 mL PCR Tube | | 5 x 20 |

♦ Biocontainment certification by Public Health England, Porton Down, UK.



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4 L Benchtop Centrifuges: specifications and ordering information

| Specifications | SL4 Plus | | SL4R Plus | |
|-------------------------------------|--|------------------|------------------------------------|----------------------------------|
| | IVD | General Use Only | IVD | General Use Only |
| Swinging Buckets Rotors | | | | |
| Maximum Capacity | 4 x 1000 mL with TX-1000 rotor | | | |
| Maximum Speed | 5300 rpm with BIOShield 1000A rotor | | | |
| Maximum RCF | 5590 x g with BIOShield 1000A rotor | | | |
| Fixed Angle Rotors | | | | |
| Maximum Capacity | 6 x 100 mL with F15-6x100 or F10-6x100 rotor | | | |
| Maximum Speed | 15200 rpm with F21-48x2, Microliter 48x2 or Microliter 30x2 | | | |
| Maximum RCF | 25830 x g with Microliter 30x2 | | | |
| Centrifuge Details | | | | |
| Control System | Microprocessor | | | |
| Drive System | Direct, Brushless induction low profile motor | | | |
| Accel/Decel Profiles | Choices of 9 Accel / 10 Decel Rates | | | |
| Material | front, top, sides: PC-ABS plastic painted with 2K PUR-based lacquer; metal housing: cold rolled steel with powder paint; centrifuge bowl: stainless steel; centrifuge feet: rubber | | | |
| Safety Features | SMARTSpin imbalance detection, finger-pinch prevention, crash-proof construction | | | |
| Warranty | 5 Year Limited | | | |
| Includes | printed English user manual, USB stick with 28 languages of user manual, corrosion resistance oil (70009824), power cord, declaration of conformity | | | |
| Temperature Range | N/A | | -10°C to +40°C | |
| Number of Compatible Rotors | 12 | | 12 | |
| Display Details | | | | |
| Display | Push button and high contrast LCD interface | | | |
| Run Time | max 9h, 59min; also with continuous and pulse modes | | | |
| Timer | count down only | | | |
| Program Storage | up to 100 run programs | | | |
| Programmability | via easy access touch screen menu | | | |
| Dimensions, Weight | | | | |
| Width (inches) Exterior | 22.3 | | 29.4 | |
| Width (cm) Exterior | 56.6 | | 74.6 | |
| Depth (inches) Exterior | 27.2 | | 27.2 | |
| Depth (cm) Exterior | 69.0 | | 69.0 | |
| Height (inches) Exterior | 14.3 | | 14.2 | |
| Height (cm) Exterior | 36.2 | | 36.1 | |
| Height (inches) Open Cover | 33.9 | | 33.9 | |
| Height (cm) Open Cover | 86.1 | | 86.0 | |
| Footprint Dimensions (inches) | 22.3 x 23.1 | | 29.4 x 23.0 | |
| Footprint Dimensions (cm) | 56.6 x 58.8 | | 74.6 x 58.4 | |
| Net Weight (lbs) | 196 | | 265 | |
| Net Weight (kgs) | 89 | | 120 | |
| Certifications and Standards | | | | |
| IVD/MD | X | | X | |
| Certifications | EN/UL/IEC 61010-1, EN/UL/IEC 61010-2-020 and 61010-2-101, EN/UL/IEC 61326-1, EN/UL/IEC 61326-2-6, FCC part 15 | | | |
| Standards | ISO 14971, ISO 13485, ISO 9001 | | | |
| Ordering Information | | | | |
| | SL4 Plus | | SL4R Plus | |
| | IVD | General Use Only | IVD | General Use Only |
| 230V [§] | 75009512* | 75009912 | 75009527* / 75009627* [§] | 75009927 / 75009827 [§] |
| 120V | 75009513* | N/A | 75009528* | N/A |

*Indicates a centrifuge, rotor and/or adapter product approved for use in clinical applications; see user manual for details.

[§] 220V / 60 Hz [Korea, etc.]



4 L Floor Standing Centrifuges: specifications and ordering information

| Specifications | SL4F Plus | | SL4RF Plus | |
|-------------------------------------|--|------------------|----------------|------------------|
| | IVD | General Use Only | IVD | General Use Only |
| Swinging Buckets Rotors | | | | |
| Maximum Capacity | 4 x 1000 mL with TX-1000 rotor | | | |
| Maximum Speed | 5300 rpm with BIOShield 1000A rotor | | | |
| Maximum RCF | 5590 x g with BIOShield 1000A rotor | | | |
| Fixed Angle Rotors | | | | |
| Maximum Capacity | 6 x 100 mL with F15-6x100 or F10-6x100 rotor | | | |
| Maximum Speed | 15200 rpm with F21-48x2, Microliter 48x2 or Microliter 30x2 | | | |
| Maximum RCF | 25830 x g with Microliter 30x2 | | | |
| Centrifuge Details | | | | |
| Control System | Microprocessor | | | |
| Drive System | Direct, Brushless induction low profile motor | | | |
| Accel/Decel Profiles | Choices of 9 Accel / 10 Decel Rates | | | |
| Material | front, top, sides: PC-ABS plastic painted with 2K PUR-based lacquer; metal housing: cold rolled steel with powder paint; centrifuge bowl: stainless steel; centrifuge feet: rubber | | | |
| Safety Features | SMARTSpin imbalance detection, finger-pinch prevention, crash-proof construction | | | |
| Warranty | 5 Year Limited | | | |
| Includes | printed English user manual, USB stick with 28 languages of user manual, corrosion resistance oil (70009824), power cord, declaration of conformity | | | |
| Temperature Range | N/A | | -10°C to +40°C | |
| Number of Compatible Rotors | 12 | | 12 | |
| Display Details | | | | |
| Display | Push button and high contrast LCD interface | | | |
| Run Time | max 9h, 59min; also with continuous and pulse modes | | | |
| Timer | count down only | | | |
| Program Storage | up to 100 run programs | | | |
| Programmability | via easy access touch screen menu | | | |
| Dimensions, Weight | | | | |
| Width (inches) Exterior | 22.3 | | 29.4 | |
| Width (cm) Exterior | 56.6 | | 74.6 | |
| Depth (inches) Exterior | 27.2 | | 27.2 | |
| Depth (cm) Exterior | 69.0 | | 69.0 | |
| Height (inches) Exterior | 32.8 | | 32.8 | |
| Height (cm) Exterior | 83.5 | | 83.5 | |
| Height (inches) Open Cover | 54.1 | | 54.1 | |
| Height (cm) Open Cover | 135 | | 135 | |
| Footprint Dimensions (inches) | 22.3 x 23.1 | | 22.3 x 23.1 | |
| Footprint Dimensions (cm) | 56.6 x 58.4 | | 56.6 x 58x4 | |
| Net Weight (lbs) | 319 | | 335 | |
| Net Weight (kgs) | 145 | | 152 | |
| Certifications and Standards | | | | |
| IVD/MD | X | | X | |
| Certifications | EN/UL/IEC 61010-1, EN/UL/IEC 61010-2-020 and 61010-2-101, EN/UL/IEC 61326-1, EN/UL/IEC 61326-2-6, FCC part 15 | | | |
| Standards | ISO 14971, ISO 13485, ISO 9001 | | | |
| Ordering Information | | | | |
| | SL4F Plus | | SL4RF Plus | |
| | IVD | General Use Only | IVD | General Use Only |
| 230V [§] | 75009971* | 75009951 | 75009973* | 75009953 |

*Indicates a centrifuge, rotor and/or adapter product approved for use in clinical applications; see user manual for details.

[§] 220V / 60 Hz [Korea, etc.]



1.6 L Benchtop Centrifuges: specifications and ordering information

| Specifications | SL1 Plus | | SL1R Plus | |
|-------------------------------------|--|------------------|----------------|------------------|
| | IVD | General Use Only | IVD | General Use Only |
| Swinging Buckets Rotors | | | | |
| Maximum Capacity | 4 x 400 mL with TX-400 rotor | | | |
| Maximum Speed | 5300 rpm with BIOShield 720 rotor | | | |
| Maximum RCF | 5088 x g with BIOShield 720 rotor | | | |
| Fixed Angle Rotors | | | | |
| Maximum Capacity | 6 x 100 mL with F15-6x100 | | | |
| Maximum Speed | 15200 rpm with F21-48x2, Microliter 48x2 or Microliter 30x2 | | | |
| Maximum RCF | 25830 x g with Microliter 30x2 | | | |
| Centrifuge Details | | | | |
| Control System | Microprocessor | | | |
| Drive System | Direct, Brushless induction low profile motor | | | |
| Accel/Decel Profiles | Choices of 9 Accel / 10 Decel Rates | | | |
| Material | front, top, sides: PC-ABS plastic painted with 2K PUR-based lacquer; metal housing: cold rolled steel with powder paint; centrifuge bowl: stainless steel; centrifuge feet: rubber | | | |
| Safety Features | SMARTSpin imbalance detection, finger-pinch prevention, crash-proof construction | | | |
| Warranty | 5 Year Limited | | | |
| Includes | printed English user manual, USB stick with 28 languages of user manual, corrosion resistance oil (70009824), power cord, declaration of conformity | | | |
| Temperature Range | N/A | | -10°C to +40°C | |
| Number of Compatible Rotors | 12 | | 12 | |
| Display Details | | | | |
| Display | Push button and high contrast LCD interface | | | |
| Run Time | max 9h, 59min; also with continuous and pulse modes | | | |
| Timer | count down only | | | |
| Program Storage | up to 100 run programs | | | |
| Programmability | via easy access touch screen menu | | | |
| Dimensions, Weight | | | | |
| Width (inches) Exterior | 17.5 | | 24.6 | |
| Width (cm) Exterior | 56.6 | | 62.5 | |
| Depth (inches) Exterior | 26.0 | | 26.0 | |
| Depth (cm) Exterior | 66.0 | | 66.0 | |
| Height (inches) Exterior | 14.3 | | 14.2 | |
| Height (cm) Exterior | 36.2 | | 36.1 | |
| Height (inches) Open Cover | 33.6 | | 33.6 | |
| Height (cm) Open Cover | 85.5 | | 85.5 | |
| Footprint Dimensions (inches) | 22.3 x 23.1 | | 29.4 x 23.0 | |
| Footprint Dimensions (cm) | 44.5 x 58.8 | | 62.5 x 58.4 | |
| Net Weight (lbs) | 134 | | 207 | |
| Net Weight (kgs) | 61 | | 94 | |
| Certifications and Standards | | | | |
| IVD/MD | X | | X | |
| Certifications | EN/UL/IEC 61010-1, EN/UL/IEC 61010-2-020 and 61010-2-101, EN/UL/IEC 61326-1, EN/UL/IEC 61326-2-6, FCC part 15 | | | |
| Standards | ISO 14971, ISO 13485, ISO 9001 | | | |
| Ordering Information | | | | |
| | SL1 Plus | | SL1R Plus | |
| | IVD | General Use Only | IVD | General Use Only |
| 230V [§] | 75009000* | 7509600 | 75009030* | 75009630 |
| 120V | 75009000* | N/A | 75009031* | N/A |

*Indicates a centrifuge, rotor and/or adapter product approved for use in clinical applications; see user manual for details.

[§] 220V / 60 Hz [Korea, etc.]



This product is intended for General Laboratory Use. It is the customer's responsibility to ensure that the performance of the product is suitable for customers' specific use or application.

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