



# 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

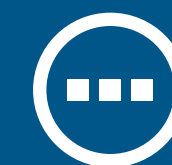
New industrial design with improved ergonomics for ease of use and touch screen capabilities to help save you time

**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





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# 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



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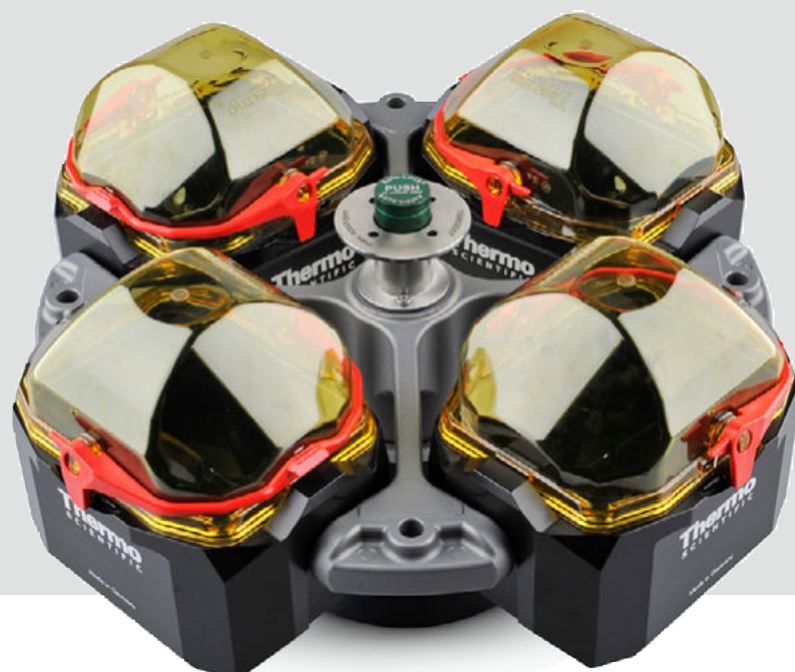
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## Flexible performance with more than 20 rotor options

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

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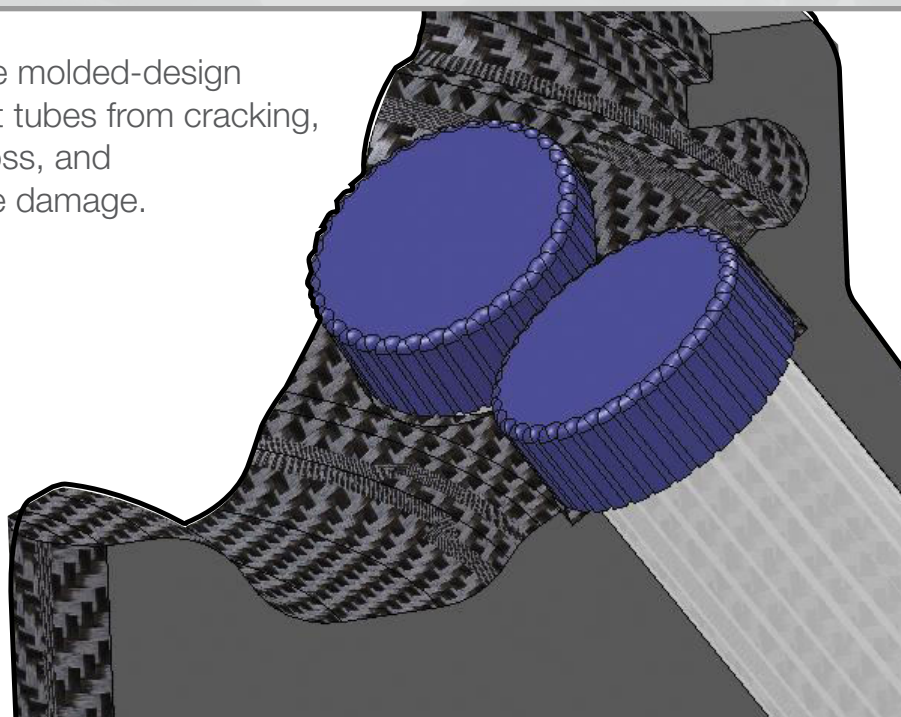
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Innovative molded-design to protect tubes from cracking, sample loss, and centrifuge damage.



## 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

3

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.



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## 5 Ways

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

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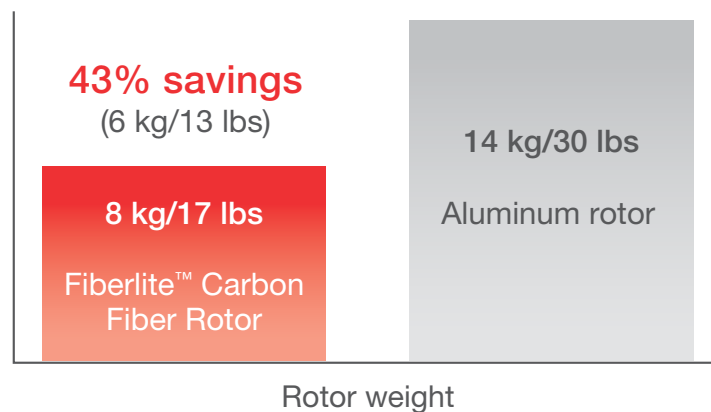
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### Weight savings with carbon fiber rotors

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



## 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*

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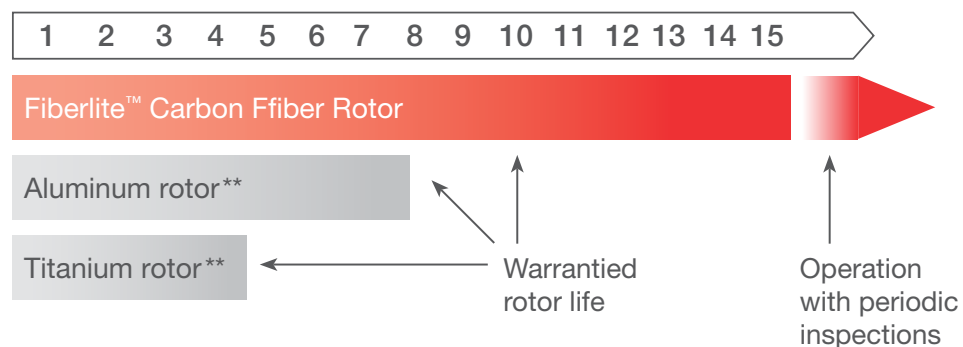
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### Warranty with carbon fiber rotors

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 [➤](#)

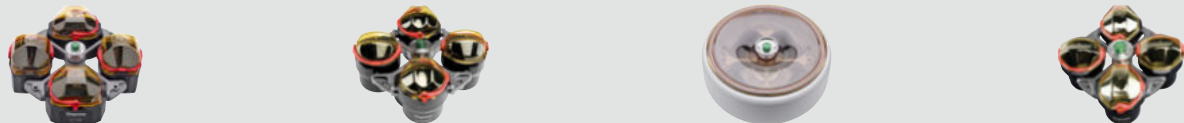


## Fixed angle

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 <sup>1</sup> ) |                                               | 4200 rpm     | 4700 rpm     | 6000 rpm        | 5000 rpm     |
| Maximum RCF (x g <sup>1</sup> )   |                                               | 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           | –               | –            |

<sup>1</sup>Maximum 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 <sup>1</sup> ) |                                               | 6300 rpm       | 5500 rpm     | 4000 rpm      | 4700 rpm |
| Maximum RCF (x g <sup>1</sup> )   |                                               | 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       |

<sup>1</sup>Maximum 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



TX-1000 Swinging Bucket Rotor<sup>1</sup>, 90°, R<sub>max</sub> 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                               | 1             | 1000 mL Bio-Bottle                                                                              | 4 x 1,000 mL                         | 126 x 140                           |
| 75007304                               | 2             | 750 mL Polypropylene Bio-Bottle and any TX-750 Round adapter                                    | 4 x 750 mL                           | 98 x 133                            |
| 75004253                               | 3             | 500 mL Nalgene Bottle                                                                           | 4 x 500 mL                           | 70 x 160                            |
| 75007302                               | 4             | 500 mL Corning Bottle                                                                           | 4 x 500 mL                           | 98 x 133                            |
| 75005392                               | 5             | 250 mL Corning Conical Bottle or 200 mL Nunc™ Bottle or 175 mL Nalgene Conical Bottle           | 4 x 250 mL                           | 62 x 145                            |
| 75007305                               | 6             | 250 mL Nalgene Bottle                                                                           | 8 x 250 mL                           | 62 x 145                            |
| 75007305                               | 6             | 225 mL BD Falcon™ (requires BD #352090)                                                         | 8 x 225 mL                           | 62 x 130                            |
| 75007305                               | 6             | 200 mL Nunc Conical Bottle (requires Nunc #377585)                                              | 8 x 200 mL                           | 62.5 x 139                          |
| 75003674                               | 7             | 50 mL Conical Tube                                                                              | 40 x 50 mL                           | 30 x 120                            |
| 75004255                               | 8             | 50 mL Double Biocontainment Vessel for 50 mL Conical Tube (can be combined with ClickSeal lids) | 20 x 50 mL                           | 30 x 120                            |
| 75004252                               | 9             | 50 mL Nalgene Oak Ridge Tube                                                                    | 48 x 50 mL                           | 29.5 x 120                          |
| 75007306                               | 10            | 15 mL Conical Tube                                                                              | 96 x 15 mL                           | 17.5 x 121                          |
| 75003672                               | 11            | 10 mL Blood Collection Tube (16 x 100 mm) or Corex™/Kimble™ Tubes                               | 148 x 10 mL                          | 17 x 110                            |
| 75003697                               | 12            | 9/10 mL Blood Collection Tube (Sarstedt™)                                                       | 100 x 9/10 mL                        | 17 x 110                            |
| 75003671                               | 13            | 5/7 mL Blood Collection Tube (13 x 75-100 mm)                                                   | 196 x 5/7 mL                         | 14 x 110                            |
| 75003709                               | 14            | 4.5/6 mL Blood Collection Tube (Greiner™)                                                       | 164 x 4.5/6 mL                       | 14 x 110                            |
| 75007303                               | 15            | Microplate Carriers                                                                             | 4 x 6 Standard or 4 x 2 Deep-Well    | Height < 88 mm                      |
| 75003829                               | 16            | Small Bag/Cell Culture Bags 4 x 2 Bags (< 350 mL)                                               | 4 x 2 Bags                           |                                     |

Adapters



more

<sup>1</sup>Rotor, 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<sup>1</sup>, 90°, R<sub>max</sub> 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



more

<sup>1</sup>Rotor, 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<sub>max</sub> 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                              | 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                            |
| 75003685                              | 4             | 50 mL Conical Tube                                             | 20 x 50 mL                           | 30 x 121                            |
| 75003749                              | 5             | 50 mL Round Bottom Tube                                        | 12 x 50 mL                           | 35 x 121                            |
| 75003750                              | 6             | 45 mL Flat/Round Tube                                          | 16 x 45 mL                           | 30 x 121                            |
| 75003755                              | 7             | 30 mL Sterilin Universal Tube                                  | 16 x 30 mL                           | 26 x 121                            |
| 75003756                              | 8             | 25 mL DIN Round Bottom Tube                                    | 24 x 25 mL                           | 26 x 121                            |
| 75003684                              | 9             | 15 mL Conical Tube                                             | 48 x 15 mL                           | 17 x 120                            |
| 75003758                              | 10            | 14 mL Flanged Round Bottom Tube                                | 36 x 14 mL                           | 18 x 121                            |
| 75003759                              | 11            | 14 mL Round or Conical Urine Tube                              | 36 x 15 mL                           | 17 x 124                            |
| 75003767                              | 12            | 10 mL Blood Collection (16 x 100 mm) or 15 mL DIN Tube         | 64 x 10/15 mL                        | 17 x 118                            |
| 75003768                              | 13            | 5/7 mL or 4.5/6 mL Blood Collection Tube                       | 80 x 5/7 mL                          | 14 x 118                            |
| 75003769                              | 14            | 5/7 mL Round Bottom Tube (13 x 75-100 mm)                      | 112 x 5/7 mL                         | 13 x 119                            |
| 75003770                              | 15            | 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<sub>max</sub> 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 Rotor<sup>1</sup>, 90°, R<sub>max</sub> 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

<sup>1</sup>Rotor, buckets and lids sold separately.  
♦ Biocontainment certification by Public Health England, Porton Down, UK.



Rotors and adapters for swinging buckets rotors

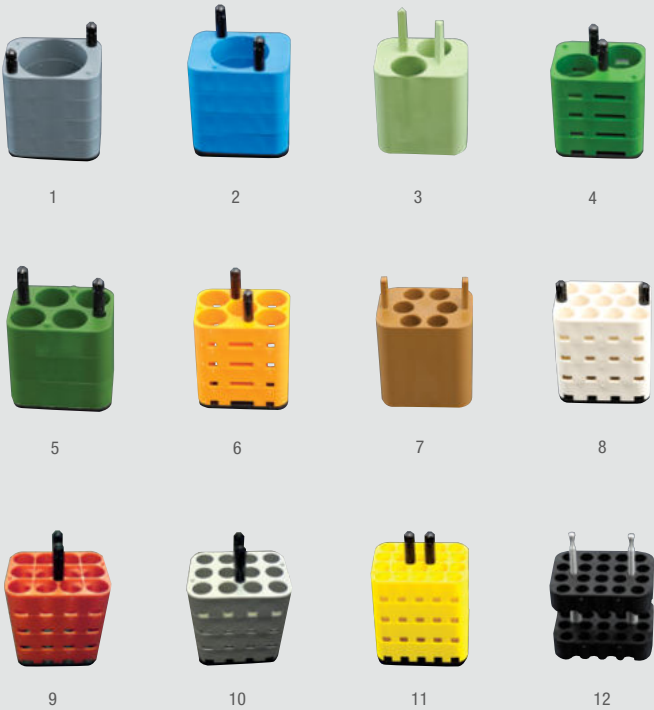


BIOShield 720 Swinging Bucket Rotor, 90°, R<sub>max</sub> 162 mm

| 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                             |

Adapters



more

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



Rotors and adapters for swinging buckets rotors



TX-200 Swinging Bucket Rotor<sup>1</sup>, 90°, R<sub>max</sub> 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



more

<sup>1</sup>Rotor, 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 Rotor<sup>1</sup>, 90°, R<sub>max</sub> 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<sub>max</sub> 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 10                             |
| 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.  
<sup>1</sup>Biocontainment 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 <sup>1</sup> )                                                                |                                                                                                                                   | 15000 rpm            | 10,500 rpm              | 5650 rpm   | 6700 rpm       | 10350 rpm    |
| Maximum RCF (x g <sup>1</sup> )                                                                  |                                                                                                                                   | 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           |

<sup>1</sup>Maximum 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 <sup>1</sup> ) |                                               | 15000 rpm         | 15200 rpm          | 15200 rpm         | 14000 rpm                      | 15200 rpm         |
| Maximum RCF (x g <sup>1</sup> )   |                                               | 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<br>(Including spin columns) | 30                |

<sup>1</sup>Maximum 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



Fiberlite F15-6x100y Fixed Angle Rotor, 25°, R<sub>max</sub> 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<sub>max</sub> 122 mm

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

| 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

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CLINIConic Fixed Angle Rotor, 37°, R<sub>max</sub> 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<sub>max</sub> 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



HIGHConic II Aluminium Fixed Angle Rotor, 45°, R<sub>max</sub> 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<sub>max</sub> 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



Fiberlite F21-48x2 Fixed Angle Rotor, 45°, R<sub>max</sub> 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<sub>max</sub> 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



MicroClick 30 x 2 Aluminum Fixed Angle Rotor, 45°, R<sub>max</sub> 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<sub>max</sub> 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.



01

02

03

04

# Meet our family of centrifuges

Click on the sizing tool below to explore the best options for your lab space and applications

General Purpose

1.6 L Ventilated >

56.6 cm/22.3" x 69 cm/27.2" x 83.5 cm/83.5"

56.6 cm/22.3" x 69 cm/27.2" x 36.1 cm/14.2"

General Purpose

1.6 L Refrigerated >

44.5 cm/17.5" x 66 cm/26" x 36.2 cm/14.3"

General Purpose

4 L Floor Model

Ventilated &

Refrigerated >

width x depth x height

62.5 cm/24.6" x 66 cm/26" x 36.2 cm/14.3"

74.6 cm/29.4" x 69 cm/27.2" x 36.1 cm/14.2"

General Purpose

4 L Ventilated >

General Purpose

4 L Refrigerated >

View All >

# 4 L Benchtop Centrifuges: specifications and ordering information

| Specifications                | SL4 Plus                                                                                                                                                                           |                  | SL4R Plus              |                      |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------|----------------------|
|                               | IVD                                                                                                                                                                                | General Use Only | IVD                    | General Use Only     |
| Swinging Buckets Rotors       |                                                                                                                                                                                    |                  |                        |                      |
| Maxiumum 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            |                                                                                                                                                                                    |                  |                        |                      |
| Maxiumum 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       |                                                                                                                                                                                    |                  |                |                  |
| Maxiumum 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            |                                                                                                                                                                                    |                  |                |                  |
| Maxiumum 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 <sup>§</sup>             | 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       |                                                                                                                                                                                    |                  |                |                  |
| Maxiumum 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            |                                                                                                                                                                                    |                  |                |                  |
| Maxiumum 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 <sup>§</sup>             | 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.]