

thermo scientific



Performance simplified at every turn

Thermo Scientific Sorvall LYNX Superspeed
Centrifuge Series

ThermoFisher
SCIENTIFIC

Superspeed centrifugation simplified at every turn

The Thermo Scientific™ Sorvall™ LYNX™ Superspeed Centrifuge series features powerful technologies with breakthrough simplicity.

Multiple users. A variety of processing requirements. A range of user experience. To overcome these everyday challenges of a shared laboratory setting choose the Thermo Scientific Sorvall LYNX superspeed centrifuge. The result? Productivity, safety, and reliability simplified.



Push-button security and application flexibility

Auto-Lock™ rotor exchange



Immediate rotor detection and programming

Auto-ID instant rotor identification



Improved ergonomics and performance

Fiberlite™ Carbon Fiber Rotors



One-handed certified¹ sample protection

Thermo Scientific™ ClickSeal™ Biocontainment Lids

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

Performance simplified at every turn

Exceptional performance meeting evolving application needs, from academic research to production facilities, with up to 100,605 x g, and up to 6 Liters capacity.

Versatile, high-throughput sample processing from 6 x 1 L bottles, to 40 x 50 mL conical tubes, to 24 microplates per run. Help save time and ensure sample integrity with fast acceleration and deceleration rates, combined with smooth runs at all speeds.

Built-in safety and efficiency

- Rotor innovations—from Auto-Lock rotor exchange, to Auto-ID instant rotor identification, to speed handles on each rotor lid—shorten run set-up time while providing peace-of-mind that the rotor is secure
- Lightweight, corrosion-resistant Fiberlite carbon fiber rotors, including Fiberlite™ LEX Rotor designs, help improve ergonomics and performance
- Touchscreen interface with bright, highly visible, and durable display helps simplify run set-up while providing on-board training and access controls, such as user login with password protection
- Real-time run monitoring and control with Thermo Scientific™ Centri-Vue™ application
- Compact, non-bolt down design, automatic door opening, and an integrated surface work space help optimize everyday centrifuge use

Proven reliability with robust design for consistent results and maximum uptime, year after year.



Performance simplified at every turn

Auto-Lock rotor exchange

Secure, push-button rotor exchange in as little as 3 seconds helps deliver:

- Improved safety and confidence that the rotor is automatically and securely locked and will not loosen during a run
- Trouble-free rotor installation and removal
 - No tools are required
 - The rotor locks itself to the centrifuge, eliminating the need for hand-tightening
- Flexibility to quickly change rotors and applications, matching the needs of your laboratory—today and in the future



Secure, trouble-free rotor installation and removal in as little as 3 seconds

Auto-ID instant rotor identification

Immediate identification of a rotor when secured in the centrifuge chamber, with rotor specifications automatically loaded into the centrifuge parameters:

- Shortens run set-up time by eliminating the need to find and set rotor codes
- Helps eliminate over-speed risk, reduce error messages, and improve centrifuge, sample, and operator safety

Auto-ID instant rotor identification helps improve safety, save time, and protect the integrity of your samples



1. Place rotor into the centrifuge chamber



2. Rotor is immediately detected and its parameters are loaded



3. Confirm settings and begin run

Performance simplified at every turn



Extensive rotor portfolio

Supports multiple users and evolving research needs—from microtubes up to 1 L bottles.

- **Fiberlite carbon fiber rotors:** Simply lighter, more secure investment
 - Lightweight carbon fiber and innovative construction allow unique rotor designs not possible with metal
 - Corrosion- and fatigue-resistance helps secure the rotor's structural integrity for unequalled durability
 - Backed by a 15-year warranty²
- **Swinging bucket rotors:** Versatility and expanded capacity at high RCF with dozens of adapters for research flexibility
- **Fixed angle rotors:** Complete portfolio for commonly used 50 mL, 50 mL conical, 250 mL, 500 mL and 1 Liter tubes and bottles with specialty rotor options to address specific protocol requirements
 - Dedicated conical tube rotors, which allow samples to be run in inexpensive disposable conical tubes
 - High-speed microtube rotor
 - Titanium rotor for RCFs up to 100,605 x g
- **Continuous flow/zonal rotors:** Scale-up flexibility from superspeed applications to harvesting and clarification



Innovative speed handles help make tightening the lid safer while also simplifying lid removal



Thermo Scientific BIOFlex HC rotor supports up to 40 x 50 mL conical tubes, 96 x 15 mL conical tubes, 24 microplates, and over 35 other tube styles with dozens of adapters for research flexibility

Thermo Scientific Fiberlite LEX Rotors

The next generation of high capacity Fiberlite rotors, the Fiberlite LEX rotor series further advances carbon fiber design and is now available in 6 Liter capacity. These rotors combine:

- **Superior ergonomics:** Lightweight with improved ergonomics for everyday ease of handling
- **Exceptional performance:** Achieve outstanding RCF performance for enhanced productivity—up to 17,670 x g with the Fiberlite F9-6x1000 LEX rotor
- **Enhanced safety:** From lightweight design and lifting handles, to biocontainment technology and certifications, these rotors provide multiple levels of laboratory and operator protection to help enhance safety without compromising functionality or convenience



2. Subject to Thermo Fisher Scientific's standard limited warranty. See thermofisher.com or your sales representative for details.

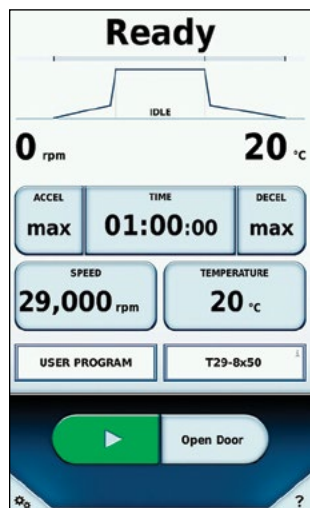
Operation simplified at every turn

Touchscreen Interface

Simple and quick run set-up with a glove-friendly, large, bright, interactive touchscreen for all centrifuge functions and durable for use run after run, year after year.

- Create up to 120 programs with alpha-numeric naming for easy access
- In-use training with on-board tutorial videos and a quick-start manual
- Integrated rotor calculator for simplifying protocol modifications and transfers
- Operator and run logging and reporting via USB port
- Highly visible backlit display of set and actual run conditions, enlarged during the run for clear visibility — even from across the lab
- Multilingual instructions, including English, German, French, Spanish, Chinese, Japanese, Portuguese and more on programming, run conditions, alerts, and service messages
- User access control with optional password protection, ideal for multi-user environments
- Designed to support GMP/GLP compliance with data logging and easy-to-use Thermo Scientific™ Centri-Log™ Plus data collection software

Simple, quick run set-up and monitoring



The screenshot shows a 'Ready' status screen with a graph of rotor speed over time. Below the graph, it displays '0 rpm' and '20 °C'. The 'ACCEL' is set to 'max', 'TIME' is '01:00:00', and 'DECCEL' is 'max'. The 'SPEED' is '29,000 rpm' and 'TEMPERATURE' is '20 °C'. The 'USER PROGRAM' is 'T29-8x50'. At the bottom, there is a green 'Open Door' button with a play icon.

| | | |
|---------------------|----------------------|---------------|
| Ready | | |
| IDLE | | |
| 0 rpm | 20 °C | |
| ACCEL max | TIME 01:00:00 | DECCEL max |
| SPEED 29,000 rpm | TEMPERATURE 20 °C | |
| USER PROGRAM | T29-8x50 | |
| Open Door | | |

Easily set current parameters and monitor centrifuge status



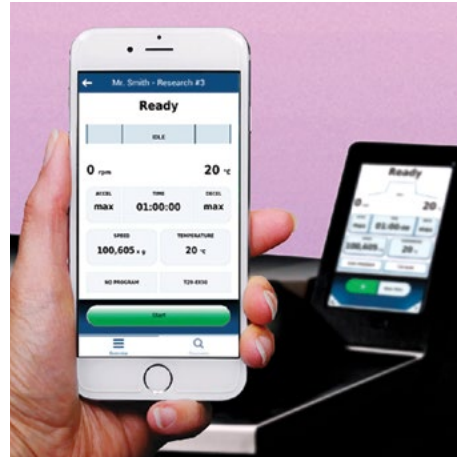
Glove-friendly touchscreen interface

Data management simplified at every turn

Connection simplified

Our Centri-Vue application provides real-time connection with your Sorvall LYNX superspeed centrifuges. From your mobile device, check your run status or if a centrifuge is available without even leaving your office or lab space.

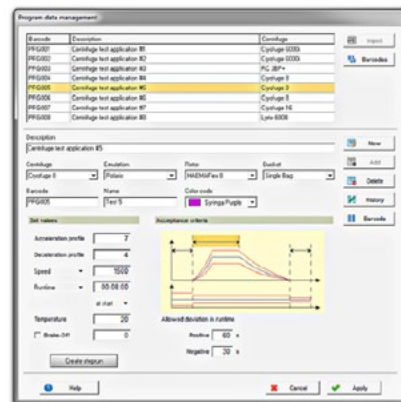
- Determine status at-a-glance of 1 or up to 100 centrifuges
- Monitor your run
 - Replicate instrument main screen on your smart device
 - Know when your run is complete
 - Check for diagnostic errors affecting your run
- Establish secure centrifuge connection for start or stop control



Data collection simplified

- Three logging models and optional external monitoring and control
- Onboard Centri-Track run logs, downloadable via USB port or real-time via Ethernet
- Centri-Log Plus Data Collection Software is a protocol-tracking solution to enable lifecycle management of processed samples, equipment optimization, and compliance with standard operating procedures. Connect and track multiple centrifuges on the same network.
 - Improve traceability with documentation of processes, including continual monitoring of speed, time, and temperature with alarm messages in case of protocol deviation
 - Ability to check run parameters against procedures in the database
 - Connection to central database through customized export file

| Description | Cat. No. |
|---|----------|
| Centri-Log Plus Software | 75007742 |
| Sample Tracking Kit, contains barcode scanner, holder and cable | 75007740 |
| Network Access Kit | 75007741 |

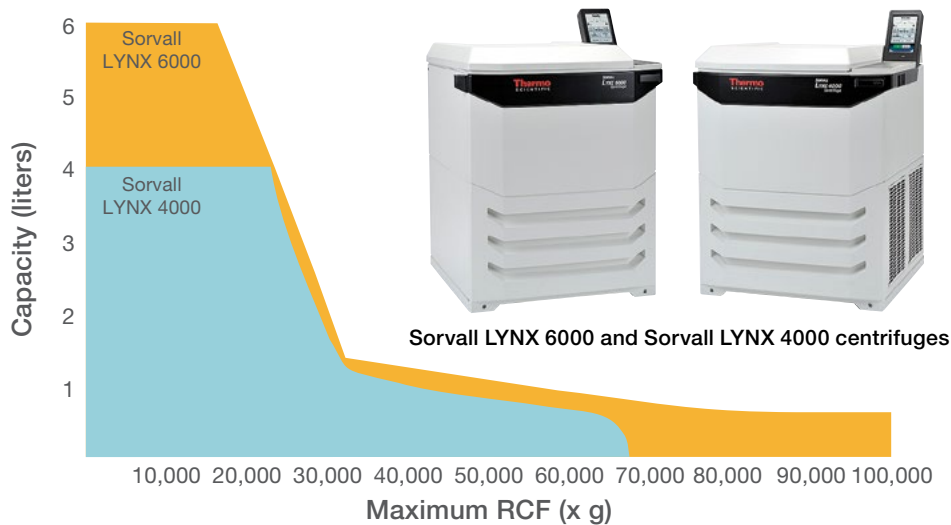


Download Centri-Vue application for instant remote monitoring and control, available for both iOS™ and Android™, and stay connected.



Operation simplified at every turn

The Thermo Scientific Sorvall LYNX superspeed centrifuge series is available in two models



Choose between the **Sorvall LYNX 4000 Centrifuge** for 4 L capacity and performance up to 68,905 x g, and the **Sorvall LYNX 6000 Centrifuge** for 6 L capacity with:

- RCF up to 100,605 x g with broad rotor portfolio supporting higher performance and continuous flow/zonal capability
- Additional energy efficiency settings with Smart Vacuum
- Expanded levels of biosafety with an optional HEPA filter

Biocontainment security

- To help enhance containment of biohazardous samples, superspeed rotors certified by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK are noted by
- In case of tube or bottle failure, a volume of fluid is contained in a special curved containment annulus at the top of most fixed angle rotors
- Thermo Scientific Sorvall LYNX 6000 Centrifuges with HEPA filters provide an additional level of safety in case of tube or bottle failure



Safety simplified at every turn

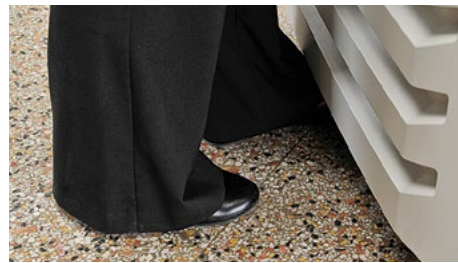
Ergonomics and safety

Effortless loading and unloading with optimal working height of 860 mm, an integrated surface work space, and front design with foot space allowing a closer position to the centrifuge.

- Easier and safer lifting and carrying of rotors with new speed handles, further enhanced with lightweight Fiberlite rotors
- Latest global safety standards without the need to bolt down the instrument to the floor, helping greatly simplify installation and flexibility to relocate within a facility
- Quiet performance (<59 dBA) helps provide a safe and reduced stress environment
- Centrifuge door opens fully and automatically—even with full hands—by using the door-open bar mounted on front of the centrifuge
- Auto-Lock rotor exchange with Auto-ID instant rotor identification helps simplify run set-up and eliminate the worry of overspeeding or rotor accidents



Lightweight rotors with speed handles



Foot space for better rotor placement ergonomics



Safety simplified at every turn

Secure investment

- Outstanding imbalance-tolerant drive helps improve system reliability and longevity
- Robust design supported by a 1-year unit warranty, 3-year drive warranty, 5-year refrigeration warranty, and comprehensive 15-year Fiberlite carbon fiber rotor warranty³
- Protect your investment with our complete portfolio of customized, integrated, and innovative services and support solutions

GMP/GLP data management

- Simplified quality control and record keeping
- On-board run logging of user, run conditions, and error messages, downloadable with USB or Ethernet connections
- Electronic signatures for runs with user log-in and password protection

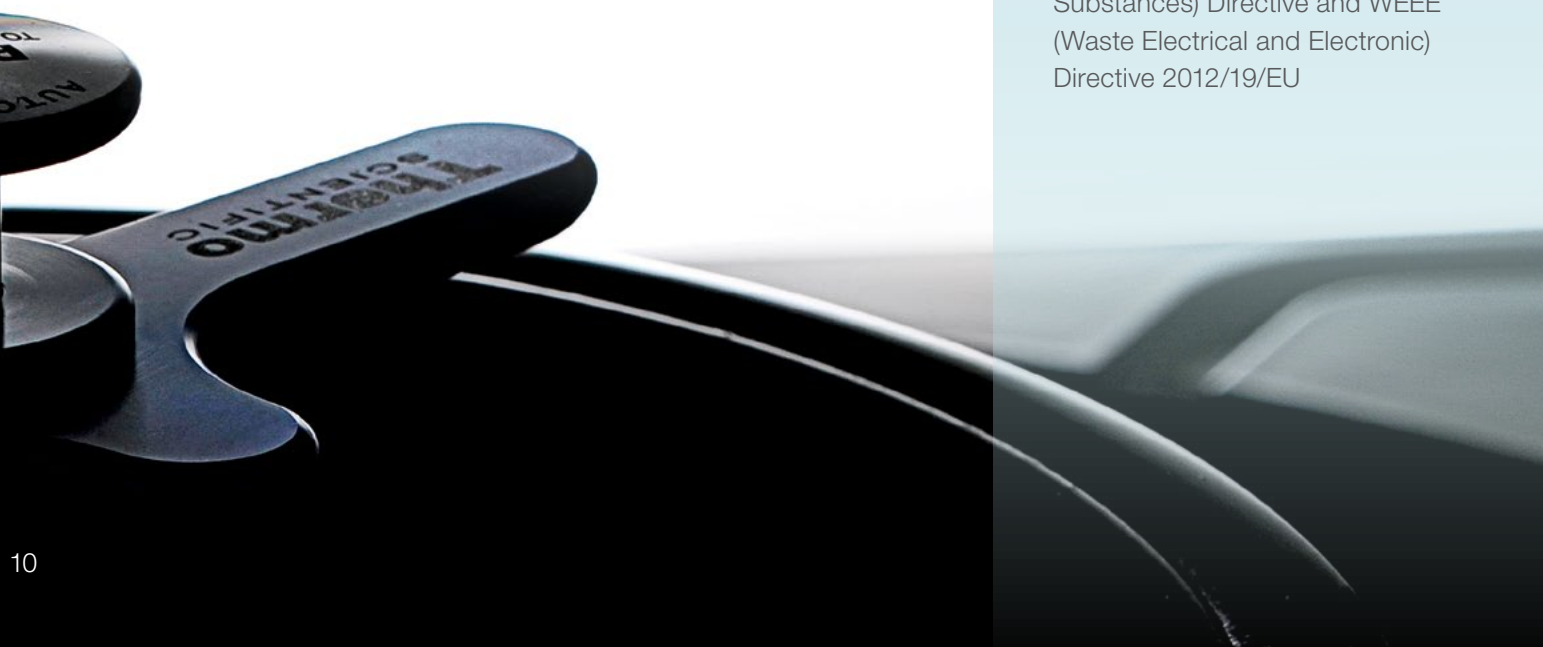


USB port for downloading run data

3. Subject to Thermo Fisher Scientific's standard limited warranty. See thermofisher.com or your sales representative for details.

Resource efficiency and sustainability

- **Energy use options:** Choose sleep mode settings for increased energy savings
- **Smart Vacuum:** Address performance and efficiency requirements with our partial air system, which partially evacuates the rotor chamber and reduces the power needed in a typical run (*in the Sorvall LYNX 6000 Centrifuge only*)
- **Power factor corrector module:** Electronics designed for optimized interface with supply power system
- **Carbon fiber rotors:** Help reduce capital investment and eliminate unnecessary equipment disposal issues with longer lifetime of Fiberlite rotors — backed by a 15-year warranty³
- **Compliant with global environmental standards:** RoHS (Restriction of Hazardous Substances) Directive and WEEE (Waste Electrical and Electronic) Directive 2012/19/EU



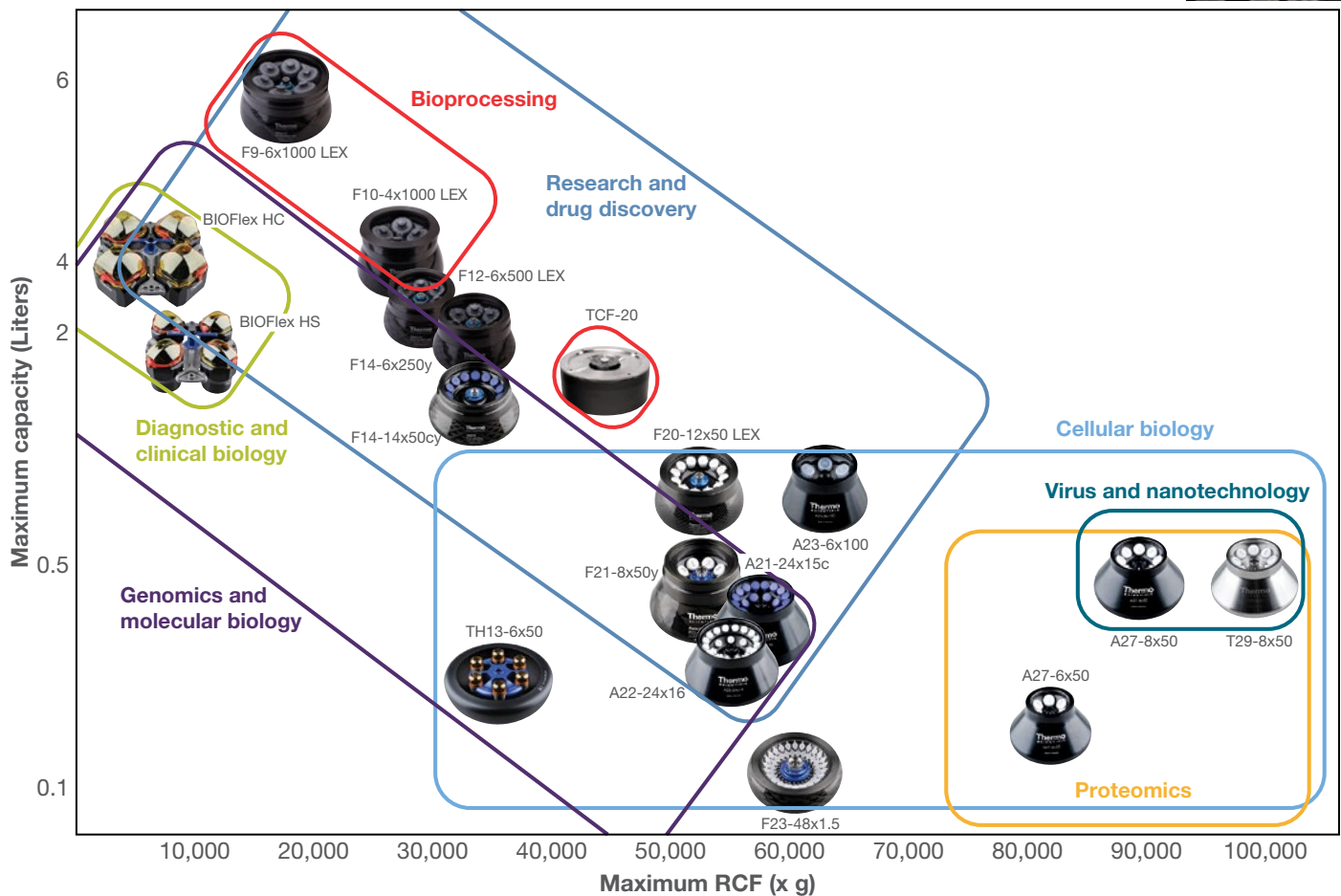
Applications simplified at every turn

The extensive rotor portfolio for the Sorvall LYNX Superspeed Centrifuge series supports labware from microplates, to microtubes, to 1 Liter bottles — providing applications flexibility for years to come, even as your lab’s research focus evolves.

Innovative rotor convenience

- Accelerate and help simplify rotor lid tightening, ensuring lid is properly attached with new speed handles
- Store rotor lid with on-board lid holder

Thermo Scientific rotors are available for a wide range of processing needs—cellular biology, diagnostic and clinical biology, genomics and molecular biology, proteomics, virus and nanotechnology, research and drug discovery, and bioprocessing.








































Fiberlite F9-6x1000 LEX rotor: Lighter weight LEX design supports 6 x 1 L bottles with the versatility of tube adapters from 1.5 mL microtubes to 500 mL bottles

BIOFlex HC swinging bucket rotor with optional ClickSeal lids: Spin more than 35 tube styles with dozens of adapters for research flexibility of tube adapters from 1.5 mL microtubes to 500 mL bottles



Rotor specifications

| Category | Cat. No. | Rotor | Maximum capacity | Sorvall LYNX 6000 Superspeed Centrifuge | | | Sorvall LYNX 4000 Superspeed Centrifuge | | | Rmax (mm) | Sample containment | |
|---|---|--|---|--|----------------------|----------|--|----------------------|----------|---|---|---|
| | | | | Maximum speed (rpm) | Maximum RCF (x g) | K factor | Maximum speed (rpm) | Maximum RCF (x g) | K factor | | | |
| Swinging bucket rotors | 75003000 | BIOFlex HC  | 4 x 1000 mL 40 x 50 mL conical 24 microplates | 5,500 | 7,068 | 5,522 | 5,500 | 7,068 | 5,522 | 209 |  | |
| | 75003002 | BIOFlex HS  | 4 x 400 mL 4 x 250 mL conical | 7,000 | 10,025 | 4,889 | 7,000 | 10,025 | 4,869 | 183 |  | |
| | 75003010 | TH13-6x50  | 6 x 50 mL round 6 x 50 mL conical 6 x 15 mL conical | 13,100 | 30,314 | 1,503 | 13,100* | 30,314 | 1,503 | 157 |  | |
| Fixed angle high capacity rotors | 096-061075 | Fiberlite F9-6x1000 LEX  | 6 x 1000 mL | 9,000 | 17,568 | 3,415 | | | | 194 |  | |
| | 096-041075 | Fiberlite F10-4x1000 LEX  | 4 x 1000 mL | 10,500 | 20,584 | 4,268 | 10,500 | 20,584 | 4,268 | 167 |  | |
| | 096-062375 | Fiberlite F12-6x500 LEX  | 6 x 500 mL | 12,000 | 24,471 | 2,302 | 12,000 | 24,471 | 2,302 | 152 |  | |
| | 096-062075 | Fiberlite F14-6x250y  | 6 x 250 mL | 14,000 | 30,240 | 1,699 | 14,000 | 30,240 | 1,699 | 138 |  | |
| Fixed angle high speed conical rotors | 096-145075 | Fiberlite F14- 14x50cy  | 14 x 50 mL conical | 14,000 | 33,746 | 798 | 13,000 | 29,097 | 925 | 154 |  | |
| | 75003004 | A21-24x15c  | 24 x 15 mL conical | Outer row | 21,500 | 63,049 | 379 | 19,500* | 51,865 | 461 | 122 |  |
| | | | | Inner row | 21,500 | 63,049 | 558 | 19,500* | 51,865 | 679 | 122 | |
| 096-124375 | Fiberlite F20-12x50 LEX  | 12 x 50 mL | 20,000 | 51,428 | 455 | 18,000 | 41,657 | 562 | 115 |  | | |
| Fixed angle high speed rotors | 096-084275 | Fiberlite F21-8x50y  | 8 x 50 mL | 20,000 | 47,850 | 744 | 18,000 | 38,759 | 919 | 107 |  | |
| | 75003005 | A22-24x16  | 24 x 16 mL | Outer row | 22,000 | 60,063 | 377 | 22,000* | 60,063 | 377 | 111 |  |
| | | | | Inner row | 22,000 | 60,063 | 547 | 22,000* | 60,063 | 547 | 111 | |
| | 75003006 | A23-6x100  | 6 x 100 mL | 23,500 | 62,976 | 503 | 21,000 | 50,290 | 630 | 97 |  | |
| 096-484075 | Fiberlite F23-48x1.5  | 48 x 1.5 mL | 23,000 | 57,368 | 199 | 18,500 | 37,116 | 307 | 97 | | | |
| Fixed angle highest RCF performance rotors | 75003007 | A27-6x50  | 6 x 50 mL | 27,000 | 79,057 | 485 | 24,000 | 62,465 | 613 | 97 |  | |
| | 75003008 | A27-8x50  | 8 x 50 mL | 27,000* | 87,207 | 408 | 24,000* | 68,905 | 517 | 107 |  | |
| | 75003009 | T29-8x50  | 8 x 50 mL | 29,000* | 100,605 | 354 | 24,000* | 68,905 | 517 | 107 |  | |
| Continuous flow/zonal rotors | 75003012 | TCF-20  | 1350 mL | 20,000 | 42,931 | 826 | | | | 96 |  | |
| | 75003013 | TCF-20 Zonal  | 1350 mL | 20,000 | 42,931 | 826 | | | | 96 |  | |

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

Rotor adapters

for Thermo Scientific BIOFlex HC swinging bucket rotor

| Cat. No. | Description | Rotor capacity (places x volume, mL) | Max tube dimensions (Ø x L, mm) |
|--|---|--------------------------------------|---------------------------------|
| Rotor | | | |
| 75003000 | BIOFlex HC Swinging Bucket Rotor | 4 x 1000 | |
| 75007309 | ClickSeal Biocontainment Lids for BIOFlex HC Buckets (set of 4)  | | |
| 75007304 | BIOLink Adapter for BIOFlex HC Buckets (set of 4) | | |
| Adapters for BIOFlex HC Rotor (sets of 4) | | | |
| 75007301 | 1 1000 mL Polypropylene Wide-Mouth Bio-Bottle (75007300) | 4 x 1000 | 126 x 140 |
| 75007304 | 2 750 mL Polypropylene Wide-Mouth Bio-Bottle | 4 x 750 | 98 x 133 |
| 75004253 | 3 500 mL Oak Ridge Bottle | 4 x 500 | 70 x 160 |
| 75007302 | 4 500 mL Corning™ Conical Bottle | 4 x 500 | 98 x 133 |
| 75005392 | 5 250 mL Wide-Mouth Conical Bottle | 4 x 250 | 62 x 145 |
| 75005392 | 5 250 mL Corning Conical Bottle or 200 mL Nunc Bottle or 175 mL Nalgene Conical Bottle | 4 x 250 | 62 x 145 |
| 75007305 | 6 250 mL Nalgene Oak Ridge Bottle | 8 x 250 | 62 x 130 |
| 75007305 + BD 352090 | 6 225 mL BD Falcon™ Conical Bottle | 8 x 225 | 62 x 130 |
| 75007305 + Nunc 377585 | 6 200 mL Nunc Conical Bottle | 8 x 200 | 62.5 x 139 |
| 75007305 + Nalgene DS3126-0175 | 6 175 mL Nalgene Wide-Mouth Conical Bottle | 8 x 175 | 62 x 130 |
| 75003674 | 7 50 mL Conical Tissue Culture Tube | 40 x 50 | 30 x 120 |
| 75004255 | 8 50 mL Double Biocontainment Vessel for 50 mL Conical Tube | 20 x 50 | 29.5 x 120 |
| 75004252 | 9 50 mL Nalgene Oak Ridge Tube | 48 x 50 | 29.5 x 120 |
| 75007306 | 10 15 mL Conical Tissue Culture Tube | 96 x 15 | 17.5 x 121 |
| 75003672 | 11 10 mL Blood Collection Tube or Corex™/Kimble™ Tube | 148 x 10 | 17 x 110 |
| 75003671 | 12 5/7 mL Blood Collection Tube (BD Vacutainer™) | 196 x 5/7 | 14 x 110 |
| 75003709 | 13 4.5/6 mL Blood Collection Tube (Greiner™) | 164 x 4.5/6 | 14 x 110 |
| 75007303 | 14 Microplate Carriers | 4 x 6 Standard or 4 x 2 Deep-Well | 86 x 128 |
| 75003829 | 15 Small Blood Bag/Cell Culture Bags | 4 x 2 Bags | |
| Adapters for BIOFlex HC Rotor (sets of 4)⁴ | | | |
| 75003713 | 16 100 mL Round Bottom Open-Top Tube | 8 x 100 | 62.5 x 139 |
| 75003824 | 17 50 mL Conical or Skirted Tube | 20 x 50 | 29.5 x 120 |
| 75003716 | 18 25 mL Universal Conical or Skirted Tube | 28 x 25 | 29.5 x 120 |
| 75003718 | 19 16 mL Nalgene Round Bottom Tube | 48 x 16 | 18 x 134 |
| 75003719 | 20 15 mL Blood Collection Tube | 32 x 15 | 17 x 125 |
| 75003724 | 21 5 mL RIA or Round Bottom Tube (without cap) | 148 x 5 | 13 x 116 |
| 75003733 | 22 1.5/2.0 mL Conical or Round Bottom Microtube | 192 x 1.5/2.0 | 11 x 50 |
| 75008383 | 23 T-75 Nunc Easy Flask | 4 x T-75 | |
| 75008384 | 24 T-25 Nunc Easy Flask | 8 x T-25 | |

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

4. Must be used with a Thermo Scientific™ BIOLink™ Adapter (Cat. No. 75007304)

Rotor adapters

for Thermo Scientific™ BIOFlex™ HC Swinging Bucket Rotor



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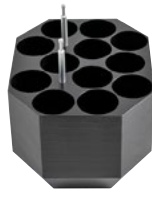
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Rotor adapters

for Thermo Scientific BIOFlex HS swinging bucket rotor

| Cat. No. | Description | Rotor Capacity (places x volume, mL) | Max Tube Dimensions (Ø x L, mm) |
|--|---|---|---------------------------------------|
| Rotor | | | |
| 75003002 | BIOFlex HS Swinging Bucket Rotor | 4 x 400 | |
| 75003656 | ClickSeal Biocontainment Lids for BIOFlex HS Buckets (set of 4)  | | |
| Adapters for BIOFlex HS Rotor (sets of 4) | | | |
| No adapter needed | 25 400 mL Polypropylene Bio-Bottle (75007585) | 4 x 400 | 80 x 125 |
| 75004258 | 26 250 mL Nalgene Wide-Mouth Conical Bottle | 4 x 250 | 62 x 135 |
| 75004257 | 27 250 mL Oak Ridge Bottle | 4 x 250 | 62 x 135 |
| 75004257 | 27 225 mL BD Falcon Conical Bottle | 4 x 225 | 62 x 130 |
| 75004258 | 26 200 mL Nunc PCO Conical Bottle | 4 x 200 | 62 x 125 |
| 75004258 | 26 175 mL Nalgene Wide Mouth Conical Bottle | 4 x 175 | 62 x 125 |
| 75003708 | 28 100 mL Round Bottom Open-Top Tube | 4 x 100 | 45 x 117 |
| 75003707 | 29 50 mL DIN Round Bottom Tube | 12 x 50 | 34.5 x 105 |
| 75004259 | 30 50 mL Double Biocontainment Vessels for 50 mL Conical Tube | 8 x 50 | 29.5 x 116 |
| 75005393 | 31 50 mL Conical Tissue Culture Tube | 12 x 50 | 29.5 x 116 |
| 75003683 | 32 50 mL Conical Tissue Culture Tube | 16 x 50 | 29.5 x 116 |
| 75003799 | 33 50 mL Nalgene Oak Ridge Tube | 16 x 50 | 28.5 x 114 |
| 75003703 | 34 30 mL DIN Round/Flat Bottom Tube | 20 x 30 | 25.5 x 108 |
| 75003706 | 35 20/25 mL Universal Round Bottom Tube | 12 x 20 | 25 x 110 |
| 75003798 | 36 16 mL Nalgene Round Bottom Tube | 28 x 16 | 18 x 112 |
| 75005394 | 37 15 mL Conical Tissue Culture Tube | 36 x 15 | 17 x 121 |
| 75003704 | 38 15 mL Round Bottom Tube (Sarstedt™) | 40 x 15 | 17 x 105 |
| 75003794 | 39 15 mL Blood Collection Tube (17 x 125 mm) | 16 x 15 | 15.5 x 131 |
| 75003681 | 40 10/15 mL Corex/Kimble Tube or 10 mL Blood Collection Tube (BD Vacutainer/Vacurette™) | 56 x 10/15 | 17 x 113 |
| 75003680 | 41 5/7 mL Blood Collection Tube (BD Vacutainer) | 76 x 5/7 | 13 x 110 |
| 75003825 | 42 4.5/6 mL Blood Collection Tube (Greiner) | 64 x 4.5/6 | 13 x 110 |
| 75003793 | 43 3/5 mL RIA or Round Bottom Tube (without cap) | 76 x 3/5 | 11 x 110 |
| 75003700 | 44 1.5/2 mL Conical or Round Bottom Microtube | 136 x 1.5/2 | 11 x 45 |

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

Rotor adapters

for Thermo Scientific BIOFlex HS swinging bucket rotor



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Rotor selection simplified at every turn

Compatible labware for each rotor is indicated with a checkmark. Please see photos (referenced by letter) on the following page.

| Cat. No. | Rotor | 1,000 mL (A) | 500 mL (B) | 500 mL conical (C) | 250 mL (D) | 250 mL conical (E) | 175 mL conical (F) | 100 mL (G) | 80 mL | 50 mL | 50 mL conical (H) | 30 mL (I) | 16 mL (J) | 15 mL conical (K) | 12 mL | 10 mL (L) | 7 mL | 5 mL | 4 mL microtubes (M) | 3 mL | 2.0 microtubes | 1.5 microtubes | 1.0 CAB tube | Microplates (N) | Tissue culture flask (O) | Filtration kits | Blood tubes (P) | Blood bags — small |
|--|--------------------------|--------------|------------|--------------------|------------|--------------------|--------------------|------------|-------|-------|-------------------|-----------|-----------|-------------------|-------|-----------|------|------|---------------------|------|----------------|----------------|--------------|-----------------|--------------------------|-----------------|-----------------|--------------------|
| Swinging bucket rotors | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75003000 | BIOFlex HC | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 75003002 | BIOFlex HS | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | ✓ | ✓ | |
| 75003010 | TH13-6x50 | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | |
| Fixed angle high capacity rotors | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 096-061075 | Fiberlite F9-6x1000 LEX | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | | | | | | ✓ |
| 096-041075 | Fiberlite F10-4x1000 LEX | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | | | | | | ✓ |
| 096-062375 | Fiberlite F12-6x500 LEX | | ✓ | | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | | | | | | | | ✓ |
| 096-062075 | Fiberlite F14-6x250y | | | | ✓ | | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | ✓ |
| Fixed angle high speed conical rotors | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 096-145075 | Fiberlite F14-14x50cy | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | | | | | | | ✓ | ✓ |
| 75003004 | A21-24x15c | | | | | | | | | | | | | ✓ | | | | | | | | | | | | | ✓ | |
| Fixed angle high speed rotors | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 096-124375 | Fiberlite F20-12x50 LEX | | | | | | | | | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | | | | | | | | | ✓ |
| 096-084275 | Fiberlite F21-8x50y | | | | | | | | | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | | | | | | | | | ✓ |
| 75003005 | A22-24x16 | | | | | | | | | | | | ✓ | | | | ✓ | ✓ | | ✓ | ✓ | | | | | | | |
| 75003006 | A23-6x100 | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | ✓ |
| Fixed angle high RCF performance rotors | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 096-484075 | Fiberlite F23-48x1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 75003007 | A27-6x50 | | | | | | | | | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | | | ✓ |
| 75003008 | A27-8x50 | | | | | | | | | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | | | ✓ |
| 75003009 | T29-8x50 | | | | | | | | | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | | | ✓ |

Labware selection simplified at every turn



A. 1,000 mL



B. 500 mL



C. 500 mL conical



D. 250 mL



E. 250 mL conical



F. 175 mL conical



G. 100 mL



H. 50 mL conical



I. 30 mL



J. 16 mL



K. 15 mL conical



L. 10 mL



M. 4 mL



N. Microplates



O. Tissue culture flask



P. Blood tubes

Labware not shown to scale.

Optimize the performance of your centrifuge

It's simple. From conical tubes to bottles, to microplates and tissue culture flasks, the versatile selection of **Thermo Scientific™ centrifugation labware** work seamlessly with your complete centrifuge and rotor system, bringing together best-in-class quality and performance.



Specifications and ordering information

| Specifications | Thermo Scientific Sorvall LYNX 6000 Superspeed Centrifuge | | Thermo Scientific Sorvall LYNX 4000 Superspeed Centrifuge | |
|-------------------------|---|--|---|--|
| Maximum capacity | Fixed Angle Rotor: 6 Liters (6 x 1000) 9,000 rpm, 17,568 x g | Swinging Bucket Rotor: 4 Liters (4 x 1000) 24 microplates, 40 x 50 mL or 96 x 15 mL conical tubes 5,500 rpm, 7,068 x g | Fixed Angle Rotor: 4 Liters (4 x 1000) 10,500 rpm, 20,584 x g | Swinging Bucket Rotor: 4 Liters (4 x 1000) 24 microplates, 40 x 50 mL or 96 x 15 mL conical tubes 5,500 rpm, 7,068 x g |
| Maximum speed | 29,000 rpm | | 24,000 rpm | |
| Maximum RCF | 100,605 x g (with T29-8x50 rotor) | | 68,905 x g (with A27-8x50 rotor) | |
| Rotor locking system | Auto-Lock | | Auto-Lock | |
| Rotor identification | Auto-ID Instant, Automatic | | Auto-ID Instant, Automatic | |
| Drive system | High Torque Brushless | | High Torque Brushless | |
| Imbalance tolerance | 5% of Opposing Loads ⁵ | | 5% of Opposing Loads ⁵ | |
| Partial vacuum system | Smart Vacuum | | No Vacuum | |
| HEPA filter | Optional | | Not Available | |
| Green technology | Green Mode, Smart Vacuum | | Green Mode | |
| Control | Touchscreen Interface | | Touchscreen Interface | |
| Accel/decel profiles | 9 Accel, 10 Decel, Brake-off option | | 9 Accel, 10 Decel, Brake-off option | |
| Speed range | Minimum 500 rpm, Maximum 29,000 rpm | | Minimum 500 rpm, Maximum 24,000 rpm | |
| Speed control accuracy | ± 25 rpm | | ± 25 rpm | |
| Run time | 99 hours 59 min 59 sec, HOLD (with “at-start” and “at-speed” options) | | 99 hours 59 min 59 sec, HOLD (with “at-start” and “at-speed” options) | |
| Step-runs | 30 profile/speed/time triplets, up to 3 steps each | | 30 profile/speed/time triplets, up to 3 steps each | |
| Pre-cooling function | Yes | | Yes | |
| Temperature set range | -20 to +40°C | | -10 to +40°C | |
| Temperature accuracy | ± 2°C | | ± 2°C | |
| ACE integrator (w2t) | Yes | | Yes | |
| Continuous flow | Yes | | No | |
| Other functions | Multilingual Selection, Rotor Calculator, On-Board Training Videos, User Logging, User Lock-Out, Automatic Door Opening, Rotor Speed Handle | | Multilingual Selection, Rotor Calculator, On-Board Training Videos, User Logging, User Lock-Out, Automatic Door Opening, Rotor Speed Handle | |
| Instrument bolt down | Not Required, Optional Seismic Bolt Down | | Not Required, Optional Seismic Bolt Down | |
| Dimensions (H x D x W) | 930 x 805 x 700 mm/36.6 x 31.7 x 27.6 in | | 930 x 805 x 700 mm/36.6 x 31.7 x 27.6 in | |
| Work height of top deck | 860 mm/33.9 in | | 860 mm/33.9 in | |
| Weight | 293 kg/644 lb (Cat. No. 75006590) and 309 kg/680 lb (Cat. No. 75006591) | | 283 kg/622 lb (Cat. No. 75006580) and 299 kg/658 lb (Cat. No. 75006581) | |
| Heat output | <2.0 kW | | <3.2 kW | |
| Noise | <59 dBA | | <59 dBA | |
| Certification | cULus ⁶ , CE, IEC 61010-2-020 2nd Ed. or later, ROHS, WEEE | | cULus ⁶ , CE, IEC 61010-2-020 2nd Ed. or later, ROHS, WEEE | |
| Warranty ⁷ | 1 Yr Unit, 3 Yrs Drive, 5 Yrs Refrigeration | | 1 Yr Unit, 3 Yrs Drive, 5 Yrs Refrigeration | |

5. Fiberlite F9-6x1000 rotor imbalance is 25 gr; BIOFlex HC rotor imbalance is 20 gr (opposing loads).

6. Applies to Cat. No. 75006590 and 75006580 only.

7. Subject to Thermo Fisher Scientific standard limited warranty. See thermofisher.com or your sales representative for details.

Ordering Information

| Cat. No. | Description |
|----------|--|
| 75006590 | Sorvall LYNX 6000 Superspeed Centrifuge, 200–240 V, 50/60 Hz, 30 A, Single-phase |
| 75006591 | Sorvall LYNX 6000 Superspeed Centrifuge, 380–400 V, 50/60 Hz, 16 A, 3-phase |
| 75006580 | Sorvall LYNX 4000 Superspeed Centrifuge, 200–240 V, 50/60 Hz, 30 A, Single-phase |
| 75006581 | Sorvall LYNX 4000 Superspeed Centrifuge, 380–400 V, 50/60 Hz, 16 A, 3-phase |
| 75000011 | HEPA Filter (for use with Cat. No. 75006590 and 75006591 only) |



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