



Superspeed centrifuges

Performance simplified at every turn

Sorvall LYNX Superspeed Centrifuge Series

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 Sorvall LYNX superspeed centrifuge. —The result? Productivity, safety, and reliability simplified.



Push-button security and application flexibility

Thermo Scientific™ Auto-Lock™ Rotor Exchange



Improved ergonomics and performance

Thermo Scientific™ Fiberlite™ Carbon Fiber Rotors



Immediate rotor detection and programming

Thermo Scientific™ Auto-ID™ Instant Rotor Identification



One-handed user and sample protection

Thermo Scientific™ ClickSeal™ Biocontainment Lids

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Performance simplified at every turn



The superspeed centrifuges are available in two sizes:

- Sorvall LYNX 6000 Superspeed Centrifuge (6 L capacity)
- Sorvall LYNX 4000 Superspeed Centrifuge (4 L capacity)

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 Thermo Scientific™ Fiberlite™ LEX Rotor designs, help improve ergonomics and performance
- Touchscreen interface with bright, highly visible, and durable display helps simplify run setup while providing onboard 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.



Auto-Lock rotor exchange

Secure, push-button rotor exchange in less than 3 seconds helps deliver:

- Improved safety and confidence that the rotor is automatically and securely locked 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 setup 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

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:

- **Excellent 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 Thermo Scientific™ Fiberlite™ F9-6x1000 LEX Fixed Angle 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

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 unequaled 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 L 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 at more than 60,000 x g
 - 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

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



Two Sorvall LYNX models with their capacity and performance

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 or TÜV NORD CERT GmbH, Germany 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
- Sorvall LYNX 6000 Centrifuges with HEPA filters provide an additional level of safety in case of tube or bottle failure



Operation simplified at every turn

Touchscreen interface

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

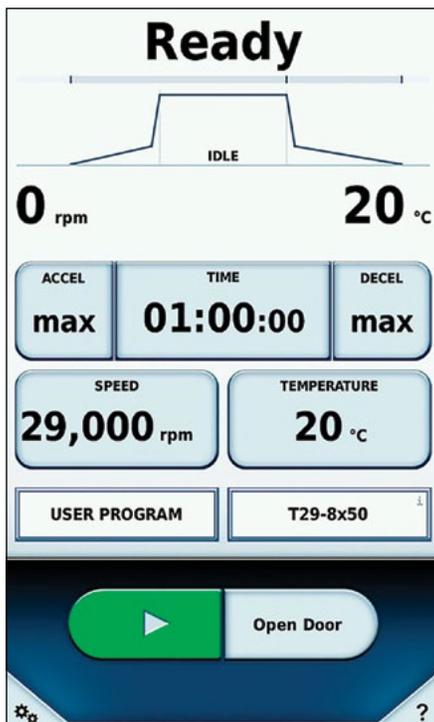
- Create up to 120 programs with alpha-numeric naming for easy access
- In-use training with onboard tutorial videos and a quick-start manual
- Integrated rotor calculator for simplifying protocol modifications and transfers
- Operator and run logging and reporting via USB port
- Highly visible backlit 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, well-suited for a multi-user environment. In total, 120 users can be created.
- Designed to support GMP/GLP compliance with data logging and easy-to-use Thermo Scientific™ Centri-Log™ Plus Data Management Software



Glove-friendly touchscreen interface

Simple, quick run setup and monitoring



Status information

Run parameters

Control and configuration

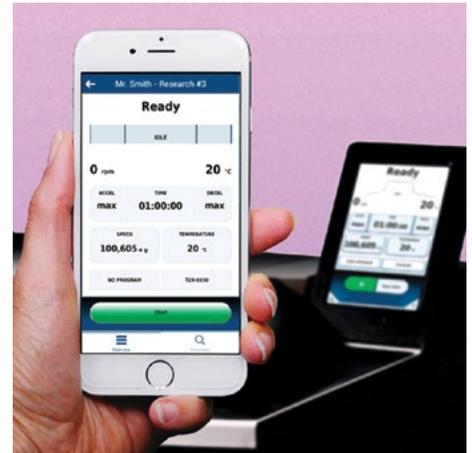
Easily set current parameters and monitor centrifuge status

Data management simplified at every turn

Connection simplified

Our Centri-View 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 management simplified

Centri-Log Plus Data Management Software is a protocol-tracking solution to enable life cycle management of processed samples, equipment optimization, and compliance with standard operating procedures. Connect and track multiple centrifuges on the same network. The software provides three logging models and optional external monitoring and control. Run logs can be downloaded via USB port or real-time via Ethernet.

- 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 the Centri-View application for instant remote monitoring and control, available for both iOS™ and Android™ devices.

Program data management

Barcode	Description	Centrifuge
PRG001	Centrifuge test application #1	Cytoluge 8000i
PRG002	Centrifuge test application #2	Cytoluge 6000i
PRG003	Centrifuge test application #3	FC 36P+
PRG004	Centrifuge test application #4	Cytoluge 8
PRG005	Centrifuge test application #5	Cytoluge 8
PRG006	Centrifuge test application #6	Cytoluge 8
PRG007	Centrifuge test application #7	Cytoluge 16
PRG008	Centrifuge test application #8	Lynx 6000

Description: Centrifuge test application #5

Centrifuge: Cytoluge 8 Emulsion: Polaris Rotor: HAEMAFex 8 Bucket: Single Bag

Barcode: PRG005 Name: Test 5 Color code: Syringe Purple

Set values

Acceleration profile: 7
 Deceleration profile: 4
 Speed: 1500
 Runtime: 00:08:00 at start
 Temperature: 20
 Brake-Off: 0

Acceptance criteria

Allowed deviation in runtime
 Positive: 60 s
 Negative: 20 s

Buttons: Import, Barcodes, New, Add, Delete, History, Barcode, Help, Cancel, Apply

Safety simplified at every turn

Ergonomics and safety

Experience 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
- The 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 with fixed angle rotors, <61 dBA with swinging bucket rotors) 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



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
- Onboard run logging of user, run conditions, and error messages, downloadable with USB or Ethernet connections
- Electronic signatures for runs with user login 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:** Restriction of Hazardous Substances (RoHS) Directive and Waste Electrical and Electronic (WEEE) Directive 2012/19/EU



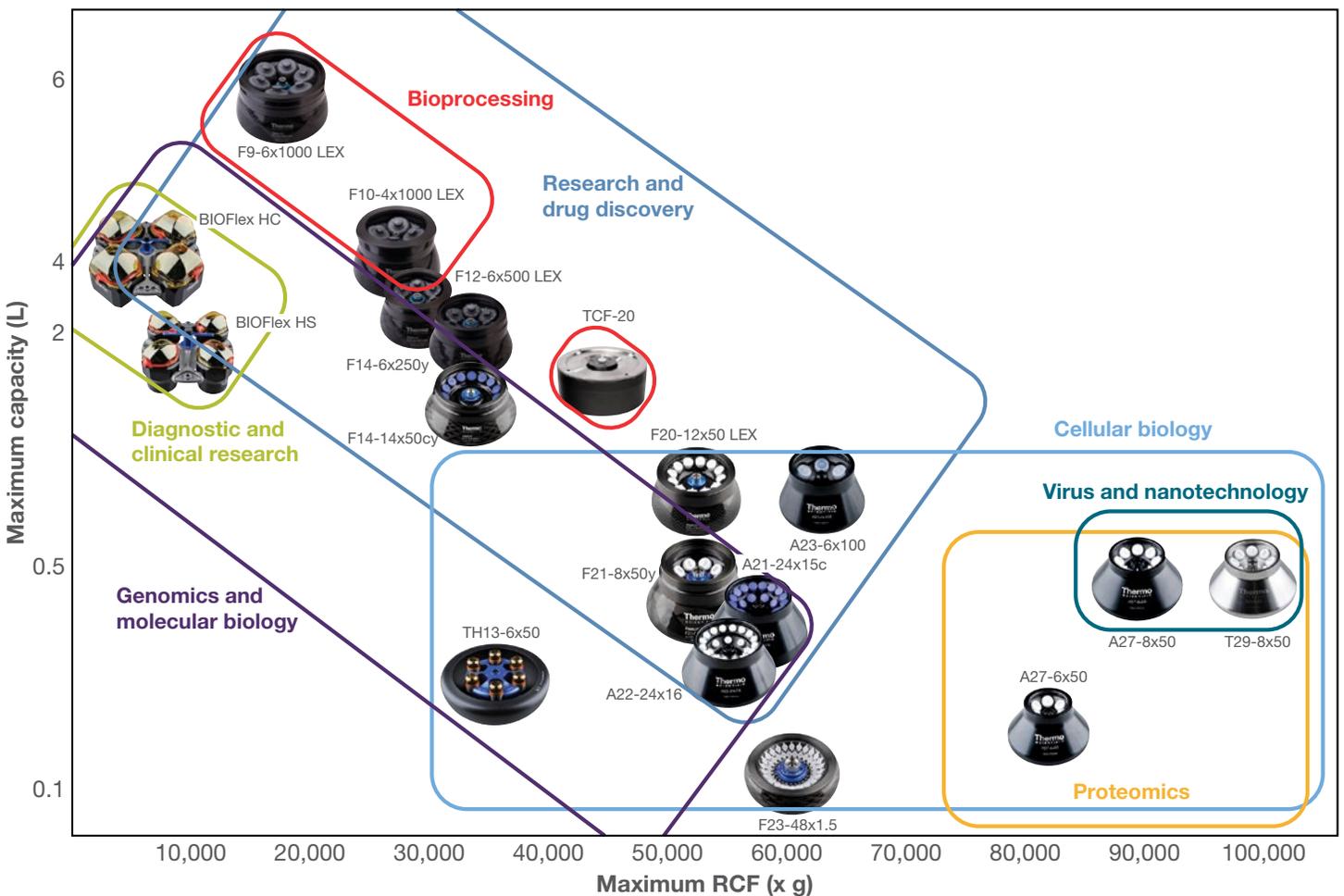
Applications simplified at every turn

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

Innovative rotor convenience

- Accelerate and simplify rotor lid tightening, helping ensure lid is properly attached with speed handles
- Store rotor lid with onboard lid holder

Thermo Scientific™ Rotors are available for a wide range of processing needs—cellular biology, diagnostic and clinical research, 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

Thermo Scientific™ 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 1,000 mL bottles



Rotor specifications

Superspeed rotors					Sorvall LYNX 6000 Superspeed Centrifuge			Sorvall LYNX 4000 Superspeed Centrifuge				
Category	Cat. No.	Rotor	Max. capacity		Max. speed (rpm)	Max. RCF (x g)	K factor	Max. speed (rpm)	Max. RCF (x g)	K factor	Rmax (mm)	Sample containment
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	2,886	n.A.			194	
	096-041075	Fiberlite F10-4x1000 LEX	 4 x 1000 mL		10,500	20,584	2,767	10,500	20,584	4,268	167	
	096-062375	Fiberlite F12-6x500 LEX	 6 x 500 mL		12,000	24,471	1,398	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 Inner row	21,500 21,500	63,049 63,049	379 558	19,500 19,500	51,865 51,865	461 679	122 122	
Fixed angle high speed rotors	096-124375	Fiberlite F20-12x50 LEX	 12 x 50 mL		20,000	51,428	455	18,000	41,657	562	115	
	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 Inner row	22,000 22,000	60,063 60,063	377 547	22,000 22,000	60,063 60,063	377 547	111 111	
	75003006	A23-6x100	 6 x 100 mL		23,500	62,976	503	21,000	50,290	630	97	
Fixed angle highest RCF performance rotors	096-484075	Fiberlite F23-48x1.5	 48 x 1.5 mL		23,000	57,368	199	18,500	37,116	307	97	
	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 Continuous flow	 1350 mL		20,000	42,931	620				96	
	75003013 #	TCF-20 Zonal	 1350 mL		20,000	42,931	620				96	

 Biocontainment certification by the Public Health England, Porton Down, UK or TÜV NORD CERT GmbH, Germany.

Continuous flow kit 75007637 is needed to order separately for rotor operation.

Rotor adapters

for Thermo Scientific BIOFlex HC swinging bucket rotor

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
Rotor			
BIOFlex HC Swinging Bucket Rotor	4 x 1,000		75003000
ClickSeal Biocontainment Lids for BIOFlex HC Buckets (set of 4)			75007309
BIOLink Adapter for BIOFlex HC Buckets (set of 4)			75007304
Adapters for BIOFlex HC Rotor (sets of 4)			
1 1,000 mL Polypropylene Wide-Mouth Bio-Bottle (75007300)	4 x 1,000	126 x 140	75007301
2 750 mL Polypropylene Wide-Mouth Bio-Bottle	4 x 750	98 x 133	75007304
3 500 mL Oak Ridge Bottle	4 x 500	70 x 160	75004253
4 500 mL Corning™ Conical Bottle	4 x 500	98 x 133	75007302 + Corning 431124
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	75005392
6 250 mL Nalgene Oak Ridge Bottle	8 x 250	62 x 130	75007305
6 225 mL BD Falcon™ Conical Bottle	8 x 225	62 x 130	75007305 + BD 352090
6 200 mL Nunc Conical Bottle	8 x 200	62.5 x 139	75007305 + Nunc 377585
6 175 mL Nalgene Wide-Mouth Conical Bottle	8 x 175	62 x 130	75007305 + Nalgene DS3126- 0175
7 50 mL Conical Tissue Culture Tube	40 x 50	30 x 120	75003674
8 50 mL Double Biocontainment Vessel for 50 mL Conical Tube	20 x 50	29.5 x 120	75004255
9 50 mL Nalgene Oak Ridge Tube	48 x 50	29.5 x 120	75004252
10 15 mL Conical Tissue Culture Tube	96 x 15	17.5 x 121	75007306
11 10 mL Blood Collection Tube or Corex™/Kimble™ Tube	148 x 10	17 x 110	75003672
12 5/7 mL Blood Collection Tube (BD Vacutainer™)	196 x 5/7	14 x 110	75003671
13 4.5/6 mL Blood Collection Tube (Greiner™)	164 x 4.5/6	14 x 110	75003709
14 Microplate Carriers	4 x 6 Standard or 4 x 2 Deep-Well	86 x 128	75007303
15 Small Blood Bag/Cell Culture Bags	4 x 2 Bags		75003829
Adapters for BIOFlex HC Rotor (sets of 4)*			
16 100 mL Round Bottom Open-Top Tube	8 x 100	62.5 x 139	75003713
17 50 mL Conical or Skirted Tube	20 x 50	29.5 x 120	75003824
18 25 mL Universal Conical or Skirted Tube	28 x 25	29.5 x 120	75003716
19 16 mL Nalgene Round Bottom Tube	48 x 16	18 x 134	75003718
20 15 mL Blood Collection Tube	32 x 15	17 x 125	75003719
21 5 mL RIA or Round Bottom Tube (without cap)	148 x 5	13 x 116	75003724
22 1.5/2.0 mL Conical or Round Bottom Microtube	192 x 1.5/2.0	11 x 50	75003733
23 T-75 Nunc Easy Flask	4 x T-75		75008383
24 T-25 Nunc Easy Flask	8 x T-25		75008384

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

*All adapters from no. 16 to 24 must be used with a Thermo Scientific™ BIOLink™ Adapter (Cat. No. 75007304)



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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 PPCO 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
75005393	30 50 mL Conical Tissue Culture Tube	12 x 50	29.5 x 116
75003683	31 50 mL Conical Tissue Culture Tube	16 x 50	29.5 x 116
75003799	32 50 mL Nalgene Oak Ridge Tube	16 x 50	28.5 x 114
75003703	33 30 mL DIN Round/Flat Bottom Tube	20 x 30	25.5 x 108
75003706	34 20/25 mL Universal Round Bottom Tube	12 x 20	25 x 110
75003798	35 16 mL Nalgene Round Bottom Tube	28 x 16	18 x 112
75005394	36 15 mL Conical Tissue Culture Tube	36 x 15	17 x 121
75003704	37 15 mL Round Bottom Tube (Sarstedt™)	40 x 15	17 x 105
75003794	38 15 mL Blood Collection Tube (17 x 125 mm)	16 x 15	15.5 x 131
75003681	39 10/15 mL Corex/Kimble Tube or 10 mL Blood Collection Tube (BD Vacutainer/Vacurette™)	56 x 10/15	17 x 113
75003680	40 5/7 mL Blood Collection Tube (BD Vacutainer)	76 x 5/7	13 x 110
75003825	41 4.5/6 mL Blood Collection Tube (Greiner)	64 x 4.5/6	13 x 110
75003793	42 3/5 mL RIA or Round Bottom Tube (without cap)	76 x 3/5	11 x 110
75003700	43 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.



25



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43



Labware selection simplified at every turn

Compatible labware for each rotor is indicated with a check mark. Please see photos (referenced by letter) below. (Labware not shown to scale.)

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								✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



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

Product specifications



Specifications	Sorvall LYNX 6000 Superspeed Centrifuge		Sorvall LYNX 4000 Superspeed Centrifuge	
Maximum capacity	Fixed angle rotor: 6 L (6 x 1,000) 9,000 rpm, 17,568 x g	Swinging bucket rotor: 4 L (4 x 1,000) 24 microplates, 40 x 50 mL or 96 x 15 mL conical tubes 5,500 rpm, 7,068 x g	Fixed angle rotor: 4 L (4 x 1,000) 10,500 rpm, 20,584 x g	Swinging bucket rotor: 4 L (4 x 1,000) 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 hrs 59 min 59 sec, HOLD (with “at-start” and “at-speed” options)		99 hrs 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, onboard training videos, user logging, user lock-out, automatic door opening, rotor speed handle		Multilingual selection, rotor calculator, onboard 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 (fixed angle rotors), <61 dBA (swinging bucket rotors)		<59 dBA (fixed angle rotors), <61 dBA (swinging bucket rotors)	
Certification	cULus ⁶ , CE, IEC 61010-1, IEC 61010-2-020 and IEC 61010-2-011, RoHS, WEEE		cULus ⁶ , CE, IEC 61010-1, IEC 61010-2-020 and IEC 61010-2-011, RoHS, WEEE	
Cleanroom compatibility	Class ISO 6 according to DIN EN ISO 14644-1		Class ISO 6 according to DIN EN ISO 14644-1	
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 g; BIOFlex HC rotor imbalance is 20 g (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



Product	Cat. No.
Centrifuges	
Sorvall LYNX 6000 Superspeed Centrifuge, 200–240 V, 50/60 Hz, 30 A, Single-phase	75006590
Sorvall LYNX 6000 Superspeed Centrifuge, 380–400 V, 50/60 Hz, 16 A, 3-phase	75006591
Sorvall LYNX 4000 Superspeed Centrifuge, 200–240 V, 50/60 Hz, 30 A, Single-phase	75006580
Sorvall LYNX 4000 Superspeed Centrifuge, 380–400 V, 50/60 Hz, 16 A, 3-phase	75006581
Power plugs for Sorvall LYNX superspeed centrifuges⁸	
IEC60309 32A-6h 3 pin blue, 200–250 V	 20190357
NEMA 6-30P 30A-6h, 200–250 V	 20190358
IEC60309 32A-6h 5 pin red, 230–400 V	 20190359
IEC60309 16A-6h 5 pin red (3P+N+PE), 380/400 V	 20190360
3x AWG10 NEMA L6-30P/CEE	 20190364
Accessories	
HEPA Filter (for use with Cat. No. 75006590 and 75006591 only)	75000011

⁸ Centrifuges will include power plug most common for country of order. Please indicate alternate power plug requirements at time of order.

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