



Thermo Scientific Sorvall LYNX  
Superspeed Centrifuge Series



performance simplified  
at every turn



# 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 certified<sup>1</sup> sample protection

ClickSeal™ biocontainment lids

<sup>1</sup> Biocontainment certification by the Public Health England, Porton Down, UK.

**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. 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 designs, improve ergonomics and performance
- Touchscreen interface with bright, highly visible, and durable display simplifies 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 optimize everyday centrifuge use

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



# Performance simplified at every turn



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

## Auto-Lock Rotor Exchange

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

- 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

## 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
- Eliminates over-speed risk, reduces error messages, and improves centrifuge, sample, and operator safety

Auto-ID instant rotor identification improves safety, saves time, and protects 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



## 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 secures the rotor's structural integrity for unequalled durability
  - Backed by a 15-year warranty<sup>2</sup>
- **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 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

<sup>2</sup> Subject to Thermo Fisher Scientific's standard limited warranty. See [thermoscientific.com](http://thermoscientific.com) or your sales representative for details.

## 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:** The lightest of their kind, 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 enhance safety without compromising functionality or convenience



# Operation simplified at every turn

## Touchscreen Interface

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

### Plus the additional power of:

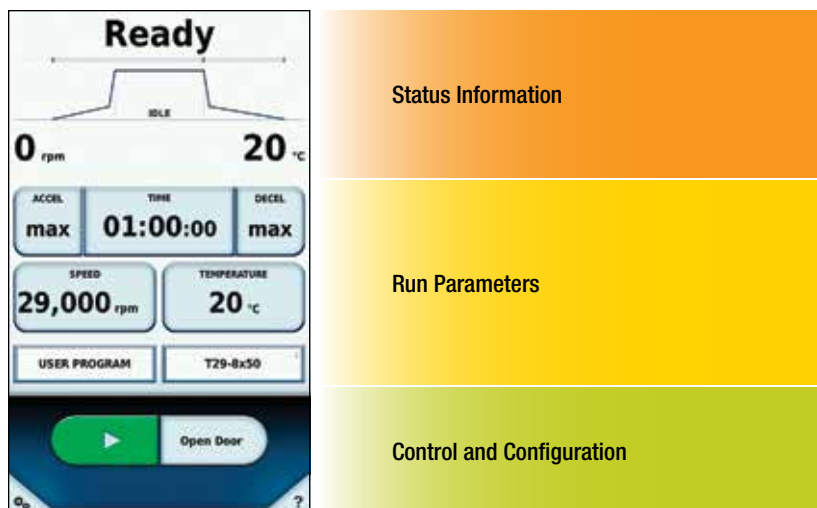
- Create up to 120 programs with alpha-numeric naming for easy access
- In-use training with on-board tutorial videos and a quick-start manual
- Integrated rotor calculator for simplifying protocol modifications and transfers
- Operator and run logging and reporting via USB port or real-time via Ethernet to assist with GMP/GLP compliance
- Convenient virtual touchscreen keyboard for direct input of program parameters
- 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, and Portuguese, on programming, run conditions, alerts, and service messages
- User access control with optional password protection, ideal for multi-user environments
- Real-time connection with Centri-View application



Glove-friendly touchscreen interface



## Simple, quick run set-up and monitoring



Easily set current parameters and monitor centrifuge status

## 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



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

## 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 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



Lightweight rotors with speed handles



Foot space for better rotor placement ergonomics

## 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, greatly simplifying installation and flexibility to relocate within a facility
- Quiet performance (<59 dBA ) provides 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 simplifies run set-up and eliminates the worry of overspeeding or rotor accidents

## Secure Investment

- Outstanding imbalance-tolerant drive improves 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 warranty<sup>2</sup>
- 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

<sup>2</sup> Subject to Thermo Fisher Scientific's standard limited warranty. See [thermoscientific.com](http://thermoscientific.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 only*)
- **Power factor corrector module:** Electronics designed for optimized interface with supply power system
- **Carbon fiber rotors:** Reduce capital investment and eliminate unnecessary equipment disposal issues with longer lifetime of Fiberlite rotors — backed by a 15-year warranty<sup>2</sup>
- **Compliant with global environmental standards:** RoHS (Restriction of Hazardous Substances) Directive and WEEE (Waste Electrical and Electronic) Directive 2002/96/EC

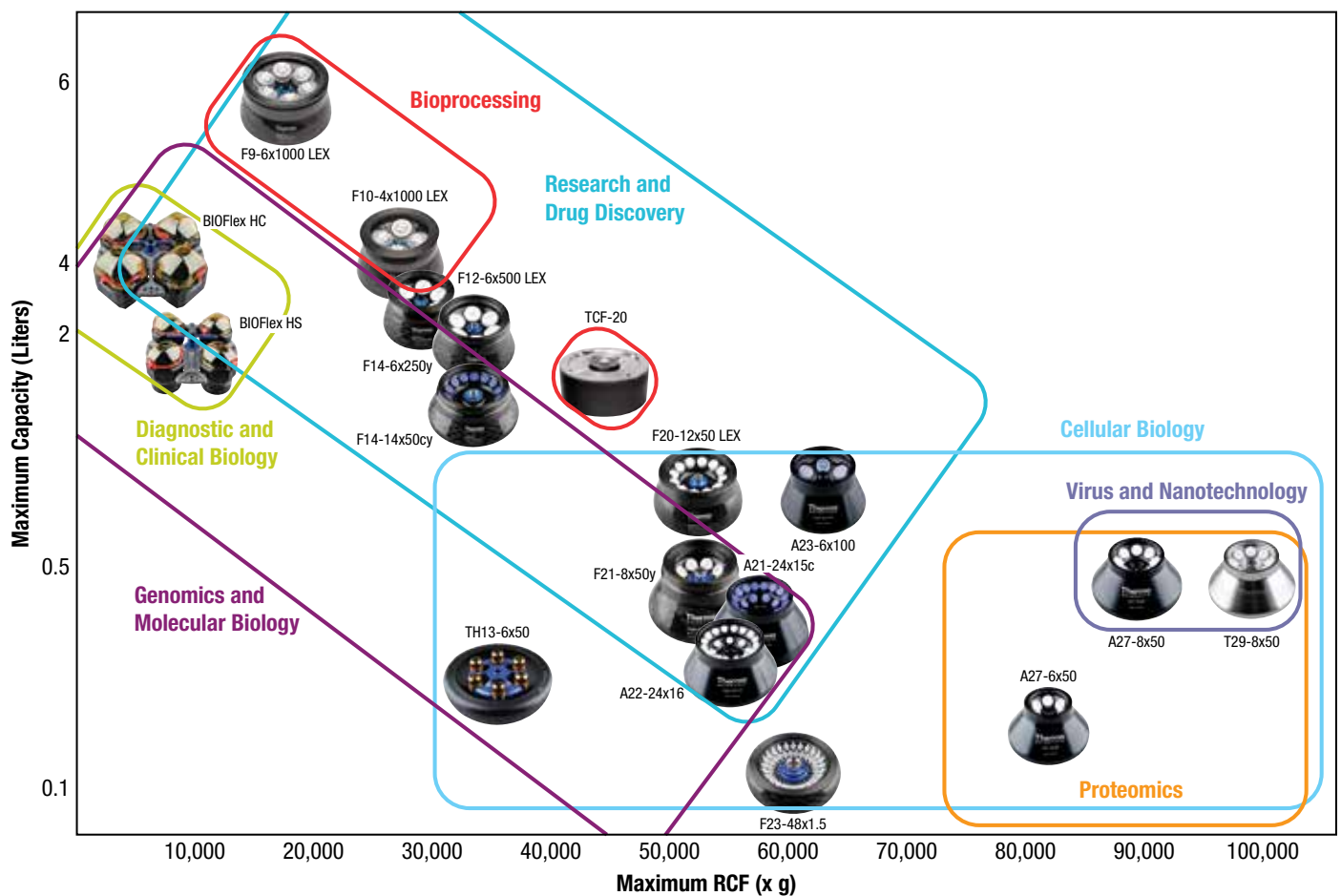
# Applications simplified at every turn

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 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 • 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

# Rotor specifications

Category	Cat. No.	Rotor	Maximum Capacity	Sorvall LYNX 6000 Superspeed Centrifuge			Sorvall LYNX 4000 Superspeed Centrifuge				
				Maximum Speed (rpm)	Maximum RCF (x g)	K Factor	Maximum Speed (rpm)	Maximum 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	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		
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 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		
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	 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.

\*4 °C cannot be achieved at top speed. Please refer to the rotor manual for published specifications.

# 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)
<b>Rotor</b>			
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)		
<b>Adapters for BIOFlex HC Rotor (sets of 4)</b>			
75007301	<b>1</b> 1000 mL Polypropylene Wide-Mouth Bio-Bottle (75007300)	4 x 1000	126 x 140
75007304	<b>2</b> 750 mL Polypropylene Wide-Mouth Bio-Bottle	4 x 750	98 x 133
75004253	<b>3</b> 500 mL Nalgene Oak Ridge Bottle	4 x 500	70 x 160
75007302	<b>4</b> 500 mL Corning™ Conical Bottle	4 x 500	98 x 133
75005392	<b>5</b> 250 mL Nalgene Wide-Mouth Conical Bottle	4 x 250	62 x 145
75005392	<b>5</b> 250 mL Corning Conical Bottle or 200 mL Nunc Bottle or 175 mL Nalgene Conical Bottle	4 x 250	62 x 145
75007305	<b>6</b> 250 mL Nalgene Oak Ridge Bottle	8 x 250	62 x 130
75007305 + BD 352090	<b>6</b> 225 mL BD Falcon™ Conical Bottle	8 x 225	62 x 130
75007305 + Nunc 377585	<b>6</b> 200 mL Nunc Conical Bottle	8 x 200	62.5 x 139
75007305 + Nalgene DS3126-0175	<b>6</b> 175 mL Nalgene Wide-Mouth Conical Bottle	8 x 175	62 x 130
75003674	<b>7</b> 50 mL Conical Tissue Culture Tube	40 x 50	30 x 120
75004255	<b>8</b> 50 mL Double Biocontainment Vessel for 50 mL Conical Tube	20 x 50	29.5 x 120
75004252	<b>9</b> 50 mL Nalgene Oak Ridge Tube	48 x 50	29.5 x 120
75007306	<b>10</b> 15 mL Conical Tissue Culture Tube	96 x 15	17.5 x 121
75003672	<b>11</b> 10 mL Blood Collection Tube or Corex™/Kimble™ Tube	148 x 10	17 x 110
75003671	<b>12</b> 5/7 mL Blood Collection Tube (BD Vacutainer™)	196 x 5/7	14 x 110
75003709	<b>13</b> 4.5/6 mL Blood Collection Tube (Greiner™)	164 x 4.5/6	14 x 110
75007303	<b>14</b> Microplate Carriers	4 x 6 Standard or 4 x 2 Deep-Well	86 x 128
75003829	<b>15</b> Small Blood Bag/Cell Culture Bags	4 x 2 Bags	
<b>Adapters for BIOFlex HC Rotor (sets of 4)<sup>5</sup></b>			
75003713	<b>16</b> 100 mL Round Bottom Open-Top Tube	8 x 100	62.5 x 139
75003824	<b>17</b> 50 mL Conical or Skirted Tube	20 x 50	29.5 x 120
75003716	<b>18</b> 25 mL Universal Conical or Skirted Tube	28 x 25	29.5 x 120
75003718	<b>19</b> 16 mL Nalgene Round Bottom Tube	48 x 16	18 x 134
75003719	<b>20</b> 15 mL Blood Collection Tube	32 x 15	17 x 125
75003724	<b>21</b> 5 mL RIA or Round Bottom Tube (without cap)	148 x 5	13 x 116
75003733	<b>22</b> 1.5/2.0 mL Conical or Round Bottom Microtube	192 x 1.5/2.0	11 x 50
75008383	<b>23</b> T-75 Nunc Easy Flask	4 x T-75	
75008384	<b>24</b> T-25 Nunc Easy Flask	8 x T-25	

<sup>5</sup> Must be used with a BIOLink adapter (75007304)

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



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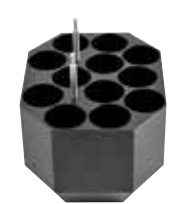
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# Rotor adapters

for Thermo Scientific BIOFlex HS swinging bucket rotor

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



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# Rotor selection simplified at every turn

Category	Cat. No.	Rotor	1000 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. 1000 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

## 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™ Nalgene™ and Nunc™ centrifugation products** 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	<b>Fixed Angle Rotor:</b> 6 Liters (6 x 1000) 9,000 rpm, 17,568 x g	<b>Swinging Bucket Rotor:</b> 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 <sup>6</sup>	5% of Opposing Loads <sup>6</sup>
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	9 Accel, 10 Decel
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, hold	99 hours, hold
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 <sup>7</sup> , CE, IEC 61010-2-020 2nd Ed. or later, ROHS, WEEE	cULus <sup>7</sup> , CE, IEC 61010-2-020 2nd Ed. or later, ROHS, WEEE
Warranty <sup>2</sup>	1 Yr Unit, 3 Yrs Drive, 5 Yrs Refrigeration	1 Yr Unit, 3 Yrs Drive, 5 Yrs Refrigeration

<sup>2</sup> Subject to Thermo Fisher Scientific's standard limited warranty. See [thermoscientific.com](http://thermoscientific.com) or your sales representative for details.

<sup>6</sup> Fiberlite F9-6x1000 rotor imbalance is 25 gr; BIOFlex HC rotor imbalance is 20 gr (opposing loads).

<sup>7</sup> Applies to Cat. No. 75006590 and 75006580 only.

### 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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