

The Thermo Scientific Sorvall Legend 23R combines versatility, performance and affordability in a high-speed, high-capacity refrigerated microcentrifuge. Compact, quiet and easy to program, the Sorvall Legend 23R is perfect for DNA and RNA molecular biology applications, as well as clinical and forensic labs.

## Thermo Scientific Sorvall Legend 23R

High-capacity, high-performance refrigerated microcentrifuge



The Sorvall Legend 23R offers a range of certified biocontained accessories that ensure safe sample handling. An intuitive display panel makes operation simple and straightforward.



Expand your capacity with the Thermo Scientific Fiberlite carbon fiber 48-place, high-capacity microtube rotor.



### High Capacity, High Performance

The Thermo Scientific Sorvall Legend 23R is an ideal refrigerated microcentrifuge for researchers who need high RCFs to process their microliter sample volumes. With its 48-place rotor and g-forces of up to 30,000 x g, the Sorvall® Legend® 23R accelerates your sample separations for maximum productivity.

### Versatile

Supporting a variety of tube sizes ranging from 0.2 mL up to 200 mL, the Sorvall Legend 23R accommodates the sample formats required in microbiology, molecular biology, genetics and biochemistry. A range of CAMR-approved biocontained accessories ensure safe sample handling.

### Unique AUTO-LOCK Rotor Exchange

Changing rotors is fast and easy with the patented Thermo Scientific AUTO-LOCK rotor exchange. You can exchange rotors in

seconds with flexibility and convenience. For example, you can rapidly change from the 48-place microtube rotor to the 2-place sealed microplate rotor.

### Quiet and Easy to Use

The quiet induction motor minimizes noise. The interactive Thermo Scientific VIDEOset controller provides a graphic display of all parameters for quick and easy programming: speed, RCF, time, temperature, rotor, integral, acceleration and braking rates, plus a real time graph of the run.

### Sample Protection

The powerful refrigeration system ensures samples are maintained at 4°C even at maximum speed<sup>(1)</sup>. This precise temperature control ensures sample integrity and higher quality separations for better results.

(1) When using aluminum rotors

## Thermo Scientific Sorvall Legend 23R Centrifuge

Specifications			
<b>Cat. No.</b>	120V, 60Hz	00554	
	230V, 50/60Hz	11174736	
<b>Max Speed</b>	Swing-out	4,400 rpm	Angle: 23,000 rpm
<b>Max RCF</b>	Swing-out	3,074 x g	Angle: 36,668 x g
<b>Max Capacity</b>	Swing-out	4 x 200 mL	Angle: 6 x 100 mL
<b>Temp range</b>	-8°C to +40°C		
<b>Dimensions</b> (H x W x D)	14.7 x 23.03 x 25 in		
<b>Dimensions</b> (H x W x D)	crated 22.44 x 28.35 x 31.10 in		
<b>Weight</b> (net/gross)	187.4 lbs / 220.5 lbs		

## Thermo Scientific Sorvall Legend 23R Rotor Systems

### Fixed Angle Rotors

Description	Tube Dimensions Ø x L (mm)	Cat. No.
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<b>AM 100.13 Angle Rotor</b>		
6 x 100 mL, 13,000 rpm, 18,516 x g, 28°	38.5 x 101	00471

Adapters (set of 6):

50 mL	29 x 103	00484
50 mL con	30 x 116	00485
30 mL Corex	24 x 106	00535
25 mL Corex	24 x 104	00536
15 mL Corex/ Oakridge, Oakridge	18 x 106	00552
30-38 mL	25.5 x 92	00486
15 mL con	17 x 106	00487
2 x 10 mL	16 x 80	00488
4 x 1.5-2 mL	11 x 39	00489

<b>AM 50.14 Angle Rotor</b>		
8 x 50 mL, 14,000 rpm, 21,255 x g, 28°	29.5 x 104	00470

Adapters:

30 mL Corex or 24 mL Corex (2)	24 x 106	00583
15 mL Corex (2)	18 x 102	00562

Adapters:

30 / 38 mL (8)	25 x 92	00194
15 mL con (8)	17 x 122	00199
13 mL (8)	17 x 104	00584
12 mL (8)	17 x 103	00331
10 mL (8)	16 x 80	00195

<b>AM 50C.13 Angle Rotor</b>		
6 x 50 mL conical, 13,000 rpm, 21,160 x g, 40°	29.8 x 118	00555

Adapters (set of 4):

15 mL con	17 x 122	00200
10 mL	16 x 80	00557

<b>AM 38.15 Sealable Angle Rotor*</b>		
8 x 38 mL, 15,300 rpm, 23,292 x g, 30°	25.5 x 92	00469

Adapters (set of 8):

16 mL	18 x 100	00203
13 mL	17 x 85	00196
10 mL	16 x 80	00197
5 mL	12.5 x 75	00202

### Drum Rotor

Description	Tube Ø (mm)	Cat. No.
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<b>DRM 6.14 Drum Rotor</b>		
6 racks, 14,300 rpm, 16,461 x g, 90°		00333

Racks:

10 x 1.5 / 2 mL	11	00150
20 x 0.5 / 0.8 mL	8	00154
20 x 0.7 mL	6	00155
21 x 0.6 mL	6	00153
32 x 0.25 / 0.4 mL	6	00151

### Microtube Rotors

Description	Tube Dimensions Ø x L (mm)	Cat. No.
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<b>48 place Sealed Fiberlite® Angle Rotor</b>		
48 x 1.5 mL, 15,000 rpm, 24,400 x g, 45°	11 x 39	00558

Adapters:

0.5 / 0.8 mL	8 x 39	00559
0.5 mL	6 x 39	00560

<b>AM 2.19 Sealable Angle Rotor*</b>		
28 x 1.5 - 2 mL, 19,200 rpm, 30,086 x g, 45°	11 x 39	00467

<b>AM 2.18 Sealed Angle Rotor**</b>		
24 x 1.5 - 2 mL, 18,750 rpm, 33,015 x g, 45°	11 x 39	00553

<b>AM 2.21 Sealed Angle Rotor**</b>		
12 x 1.5 - 2 mL, 21,500 rpm, 32,041 x g, 45°	11 x 39	00466

<b>AM 2.23 Angle Rotor**</b>		
12 x 1.5 - 2 mL, 23,000 rpm, 36,668 x g, 45°	11 x 39	00334

Adapters for 2.19, 2.18, 2.21 and 2.23 (set of 20):

0.5 / 0.8 mL	8 x 39	00559
0.2 mL PCR	6.5 x 39	00332
0.25 / 0.5 mL	6 x 39	00560

<b>AM 10.17 Sealable Angle Rotor*</b>		
10 x 10 mL, 16,600 rpm, 26,186 x g, 40°	16.3 x 80	00468

Adapters (set of 10):

6 mL	13 x 80	00201
1.5 / 2 mL	11 x 39	00198

### Swing-out Rotors

Description	Tube Dimensions Ø x L (mm)	Cat. No.
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<b>4SWM 180.5 Swing-Out Rotor</b>		
4 x 200 mL, 4,400 rpm, 3,073 x g, 90°	57 (Ø)	00472

Standard buckets (4)	57 (Ø)	00531
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Sealed buckets (4)	57 (Ø)	00532
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Spare sealing lid		00556
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Lid seal		00533
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Sealed carriers, 50 mL conical (4)	30 x 116	00136
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Sealed carriers, 15 mL conical (4)	17 x 122	00135
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200 mL PP bottles with caps (6)		00561
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Adapters (set of 4):

15 mL conical	17 x 122	00200
10 mL	16 x 105	00557

<b>MTM 6.4 Swing-Out Rotor</b>		
6 x microplates / 2 x deepwell blocks 4,500 rpm, 2,604 x g, 90°		00483

Rubber cushion for flexible microplate (1)	00134	
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\* Sealing lid not sold with AM10.17, AM10.19 and AM38.15. Purchase sealing lid Cat No. 00533 if required

\*\* Rotors AM2.18 and AM2.21 are sold with lid.

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**North America:** USA/Canada +1 866 984 3766

**Europe:** Austria +43 1 801 40 0, Belgium +32 2 482 30 30, France +33 2 2803 2000, Germany national toll free 08001-536 376, Germany international +49 6184 90 6940, Italy +39 02 02 95059 434-254, Netherlands +31 76 571 4440, Nordic countries +358 9 329 100, Russia/CIS +7 (812) 703 42 15, Spain/Portugal +34 93 223 09 18, Switzerland +41 44 454 12 12, UK/Ireland +44 870 609 9203

**Asia:** China +86 21 6865 4588 or +86 10 8419 3588, India +91 22 6716 2200, Japan +81 45 453 9220, Other Asian countries +852 2885 4613

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