

**Thermo Scientific  
Heraeus® Multifuge®  
3 Plus Centrifuge Series**

**Unmatched versatility,  
exceptional throughput**

**DJB Labcare - The UK's Leading Centrifuge Specialist**  
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## Heraeus Multifuge 3 Plus Centrifuge Series



Introducing the latest innovation in sample preparation.

From the world leader in serving science comes a breakthrough in tabletop centrifuge performance. The Thermo Scientific Heraeus® Multifuge® 3 Plus Centrifuge Series delivers unprecedented speed and capacity together with the widest range of rotors and adapters available for a premium three-liter centrifuge. Supporting both research and clinical separation needs, our Heraeus Multifuge 3 Plus Series easily accommodates blood collection tubes, conical tubes, flasks, and microtubes, while four ultralight carbon fiber rotors allow you to process more samples more quickly than ever before – freeing you to focus on results.



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## Push your productivity to the next level with high-capacity accessories

The Heraeus Multifuge 3 Plus Series offers industry-leading capacity and performance for a three-liter tabletop centrifuge. Rotor systems designed to handle up to 108 x 5/7 ml blood collection tubes, 28 x 50 ml conical tubes, or 6 x 250 ml bottles in a single run allow you to achieve greater levels of productivity.

New carbon fiber rotors from FIBERLite® provide an advanced alternative to traditional metal rotors. Lightweight and easy to handle, these rotors generate less wear on the centrifuge motor and are resistant to corrosion, fatigue, and repeated autoclaving.

### Fast-track sample throughput with unmatched versatility

Nine swinging-bucket rotor configurations and seven fixed-angle rotors give the Heraeus Multifuge 3 Plus Series unmatched versatility, making it a cost-effective investment for any lab.



### Modular, ergonomic design

The Heraeus Multifuge 3 Plus Series is designed with a low deck height for easy loading and unloading of samples. The unique soft-touch lid effortlessly clicks into place for worry-free centrifugation.



### Enhanced user and sample safety

The Heraeus Multifuge 3 Plus Series includes numerous safety features to protect you and your samples.

- The SMARTspin® imbalance detection system allows for eye balancing of samples, with automatic termination of a run if excessive imbalance occurs.
- Automatic rotor recognition ensures precise rotor performance while preventing the use of incorrect rotors or parameters.

### User-friendly operation

The EASYset™ soft-touch keypad allows for one-touch control of speed, programming, and precooling functions. A bright, easy-to-read LED display allows easy monitoring from across the lab.



### Exceptional reliability

The brushless induction drive system guarantees years of dependable performance with minimal maintenance, along with whisper-quiet operation and powerful acceleration and braking.

### Process more samples in less time

- Cut processing times in half and double your throughput with high-capacity carbon fiber rotors
- Spin up to 14 x 50 ml conical tubes in a single run
- Achieve super-speed performance with RCFs up to 24,000 x g on the benchtop
- Safely perform high-RCF, single-step separations using sterile, disposable conical tubes

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## Thermo Scientific Heraeus Multifuge 3 Plus Centrifuge Series Rotors and Accessories

### TTH-750 High-Capacity Swing-Out Rotor



Description	Rotor Capacity	Max Tube Dimensions (diameter x length, mm)	Heraeus Multifuge 3/3R Plus (120V)		Heraeus Multifuge 3/3R Plus (230V)		Catalog Number
			Max Speed (rpm)	Max RCF (x g)	Max Speed (rpm)	Max RCF (x g)	
<b>TTH-750 High-Capacity Swing-Out Rotor</b>							<b>75006445</b>
<b>Buckets</b> (sold individually unless otherwise noted)							
Round buckets, 4 x 750 ml	4 x 750 ml	100 x 136	4150	3700	4350/4600	4080/4570	75006441
Sealing lids for round buckets (set of two)							75006421
Rectangular buckets, 4 x 250 ml	4 x 250 ml	62 x 120	3750	2990	4350/4600	4020/4490	75006446
Sealing lids for rectangular buckets (set of two)							75006448
Tissue culture T-75 horizontal flask carrier <sup>1</sup>	4 x T-75 ml	60 x 127	4150	3060	4150/4150	3060/3060	75006451
Microplate carrier	4 x 4 standard (16)/ 4 x 1 deep-well (4)	60 x 127	4150	3060	4350/4600	3360/3760	75006449
Tissue culture 250 ml conical bottle carrier	4 x 250 ml	62 x 173	3750	3350	4350/4600	4510/5040	75006497
Bucket, 17 x 15 ml disposable conical tubes	68 x 15 ml	19 x 119	4350	4083	4350/4600	4083/4566	75002023
<b>Bucket, 1 x Aerosolve<sup>®</sup> canister</b>	<b>4</b>						<b>75006440</b>
<b>Adapters for round bucket, 75006441 (sold individually unless otherwise noted)</b>							
250 ml flat-bottomed bottle	4 x 250 ml	62 x 140					75008144
225/175 ml disposable conical bottle	4 x 225 ml	62 x 140					75008144 + 03095 <sup>2</sup>
50 ml round-bottomed tube	28 x 50 ml	29 x 123					75006493
<b>50 ml disposable conical tube</b> (set of four)	<b>28 x 50 ml</b>	<b>29 x 115</b>					<b>11210826</b>
50 ml disposable skirted-conical tube	28 x 50 ml	29 x 115					75006533
15 ml standard tube	76 x 15 ml	17 x 122					75008135
10/15 ml blood collection tube	68 x 10/15 ml	16 x 125					75008136
15 ml disposable conical tube	48 x 15 ml	19 x 119					75008137
<b>10 ml blood collection tube</b> (set of four)	<b>84 x 10 ml</b>	<b>16 x 100</b>					<b>11210821</b>
<b>5/7 ml blood collection tube</b> (set of four)	<b>108 x 5/7 ml</b>	<b>13 x 75/ 13 x 100</b>					<b>11210822</b>
7 ml standard tube	140 x 7 ml	13 x 122					75008133
1.5/2.0 ml disposable microtubes	192 x 1.5/2 ml	11 x 42					75008132
T-75 Nunc <sup>™</sup> EasyFlask (set of two)	4 x T-75 ml						75008383
T-25 Nunc EasyFlask (set of two)	4 x T-25 ml						75008384
<b>Adapters for rectangular bucket, 75006446 (sold individually)</b>							
250 ml flat-bottomed bottle	4 x 250 ml	62 x 120					75006465
50 ml round-bottomed tube	16 x 50 ml	29 x 123					75006491
50 ml disposable conical or skirted tube	16 x 50 ml	29 x 115					75006461
10/15 ml standard/blood collection tube	64 x 10/15 ml	17 x 112					75006455
15 ml disposable conical tube	36 x 15 ml	19 x 119					75006456
5/7 ml blood collection tube	80 x 5/7 ml	13 x 75/ 13 x 100					75006454 + 75005253 <sup>2</sup>
7 ml standard tube	112 x 7 ml	13 x 113					75006453
1.5/2.0 ml disposable microtubes	224 x 1.5/2.0 ml	11 x 42					75006452

1. Suitable for Nunc EasyFlask, Greiner Cell Star, and Cell Coat Flasks

2. Both adapters must be used

### Bioshield<sup>®</sup> Windshielded Swinging Bucket Rotor



Description	Rotor Capacity	Max Tube Dimensions	Max Speed (rpm)	Max RCF (x g)	Max Speed (rpm)	Max RCF (x g)	Catalog Number
<b>Bioshield Windshielded Swinging Bucket Rotor, 4 x 250</b>	<b>4 x 250 ml</b>	<b>62 x 120</b>	<b>5350</b>	<b>5820</b>	<b>5350/5850</b>	<b>5820/6960</b>	<b>75006443</b>
<b>Adapters for Bioshield rectangular bucket (sold individually)</b>							
250 ml flat-bottomed bottle	4 x 250 ml	62 x 120					75006465
50 ml round-bottomed tube	16 x 50 ml	29 x 123					75006491
50 ml disposable conical or skirted tube	16 x 50 ml	29 x 115					75006461
10/15 ml standard/blood collection tube	64 x 10/15 ml	17 x 112					75006455
15 ml disposable conical tube	36 x 15 ml	19 x 119					75006456
5/7 ml blood collection tube	80 x 5/7 ml	13 x 75/ 13 x 100					75006454 + 75005253 <sup>2</sup>
7 ml standard tube	112 x 7 ml	13 x 113					75006453
1.5/2.0 ml disposable microtubes	224 x 1.5/2.0 ml	11 x 42					75006452

2. Both adapters must be used

### HIGHplate<sup>®</sup> Windshielded Microplate Rotor



Description	Rotor Capacity	Max Tube Dimensions (w x l x h, mm)	Max Speed (rpm)	Max RCF (x g)	Max Speed (rpm)	Max RCF (x g)	Catalog Number
<b>HIGHplate Windshielded Microplate Rotor</b>	<b>10 standard or 2 deep-well</b>	<b>86 x 128 x 85</b>	<b>5250</b>	<b>5084</b>	<b>5250/5650</b>	<b>5085/5890</b>	<b>75006444</b>

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### F14-6x250LE Carbon Fiber Large-Volume Rotor



Description	Rotor Capacity	Max Tube Dimensions (diameter x length, mm)	Heraeus Multifuge 3/3R Plus (120V)		Heraeus Multifuge 3/3R Plus (230V)		Catalog Number
			Max Speed (rpm)	Max RCF (x g)	Max Speed (rpm)	Max RCF (x g)	
<b>F14-6x250LE Carbon Fiber Large-Volume Rotor</b>	<b>6 x 250 ml</b>	<b>61 x 124</b>	<b>10000</b>	<b>15316</b>	<b>10000/11000</b>	<b>15316/18533</b>	<b>75006517</b>
<b>Adapters for F14-6x250LE rotor (set of two)</b>							
50 ml disposable conical tubes	6 x 250 ml	29 x 115					75100136
15 ml disposable conical tubes	30 x 15 ml	19 x 119					75101073

### Fixed-Angle Rotor



Description	Rotor Capacity	Max Tube Dimensions	Max Speed (rpm)	Max RCF (x g)	Max Speed (rpm)	Max RCF (x g)	Catalog Number
<b>Fixed-Angle Rotor, 6 x 94 ml</b>	<b>6 x 94 ml</b>	<b>38 x 114</b>	<b>10500/12000</b>	<b>12450/16260</b>	<b>10500/12000</b>	<b>12450/16260</b>	<b>75003334</b>
<b>Adapters for 6 x 94 ml rotor (sold individually)</b>							
50 ml round-bottomed tube	6 x 50 ml	29 x 114					75003102
38 ml round-bottomed tube	6 x 38 ml	25 x 104					75003094
16 ml round-bottomed tube	6 x 16 ml	18 x 114					76002906
12 ml round-bottomed tube	12 x 12 ml	16 x 89					75003093
6.5 ml round-bottomed tube	12 x 6.5 ml	13 x 108					75003092
3.5 ml round-bottomed tube	24 x 3.5 ml	11 x 91					75003091
1.5 ml conical microtube	24 x 1.5 ml	11 x 42					76002905

### F13-14x50c Carbon Fiber Conical Tube Rotor



Description	Rotor Capacity	Max Tube Dimensions	Max Speed (rpm)	Max RCF (x g)	Max Speed (rpm)	Max RCF (x g)	Catalog Number
<b>F13-14x50c Carbon Fiber Conical Tube Rotor</b>	<b>14 x 50 ml</b>	<b>29 x 115</b>	<b>9000</b>	<b>13855</b>	<b>9000/10000</b>	<b>13855/17105</b>	<b>75006526</b>
<b>Adapters for F13-14x50c rotor (set of two)</b>							
15 ml disposable conical tube	14 x 15 ml	19 x 119					75100378

### F15-8x50c Carbon Fiber Conical Tube Rotor



Description	Rotor Capacity	Max Tube Dimensions	Max Speed (rpm)	Max RCF (x g)	Max Speed (rpm)	Max RCF (x g)	Catalog Number
<b>F15-8x50c Carbon Fiber Conical Tube Rotor</b>	<b>8 x 50 ml</b>	<b>29 x 115</b>	<b>12000</b>	<b>16743</b>	<b>14000/14500</b>	<b>22789/24446</b>	<b>75006516</b>
<b>Adapters for F15-8x50c rotor (set of two)</b>							
15 ml disposable conical tube	8 x 15 ml	19 x 119					75100378

### Highconic Rotor



Description	Rotor Capacity	Max Tube Dimensions	Max Speed (rpm)	Max RCF (x g)	Max Speed (rpm)	Max RCF (x g)	Catalog Number
<b>Highconic Rotor, 6 x 50 ml</b>	<b>6</b>	<b>29 x 115</b>	<b>8500</b>	<b>10020</b>	<b>8500</b>	<b>10020</b>	<b>75003057</b>
<b>Adapters for 6 x 50 ml rotor (sold individually)</b>							
50 ml disposable conical tube (six adapters included with rotor)	6 x 50 ml	29 x 115					75003103
50 ml round-bottomed tube	6 x 50 ml	29 x 118					75003102
38 ml round-bottomed tube	6 x 38 ml	25 x 112					75003094
16 ml round-bottomed tube	6 x 16 ml	18 x 124					76002906
15 ml disposable conical tube	6 x 15 ml	19 x 119					75003095
12 ml round-bottomed tube	12 x 12 ml	16 x 96					75003093
6.5 ml round-bottomed tube	12 x 6.5 ml	13 x 108					75003092
3.5 ml round-bottomed tube	24 x 3.5 ml	11 x 103					75003091
1.5 ml round-bottomed tube	24 x 1.5 ml	11 x 42					76002905

### F21-48x1.5/2.0 ml Carbon Fiber Microtube Rotor



Description	Rotor Capacity	Max Tube Dimensions	Max Speed (rpm)	Max RCF (x g)	Max Speed (rpm)	Max RCF (x g)	Catalog Number
<b>F21-48x1.5/2.0 ml Carbon Fiber Microtube Rotor</b>	<b>48 x 1.5/2.0 ml</b>	<b>11 x 42</b>	<b>15000</b>	<b>24400</b>	<b>15000</b>	<b>24400</b>	<b>75006527</b>

### Microliter Rotor (3 Plus only)



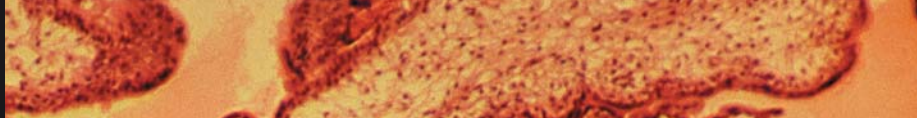
Description	Rotor Capacity	Max Tube Dimensions	Max Speed (rpm)	Max RCF (x g)	Max Speed (rpm)	Max RCF (x g)	Catalog Number
<b>24 x 1.5/2.0 ml Microliter Rotor</b>	<b>24 x 1.5/2.0 ml</b>	<b>11 x 42</b>	<b>15000<sup>3</sup></b>	<b>21890<sup>3</sup></b>	<b>15000</b>	<b>21890<sup>3</sup></b>	<b>75003332</b>
<b>Adapters for 24 x 1.5/2.0 ml rotor</b>							
0.5/0.6 ml microliter tubes (24/pkg)	24 x 0.5/0.6 ml	8 x 42					76003758
0.24/0.4 ml microliter tubes (24/pkg)	24 x 0.24/0.4 ml	6 x 38					76003759
0.2 ml microliter tubes (24/pkg)	24 x 0.2 ml	6 x 38					76003750

Note: Heraeus Multifuge 3 Series centrifuges manufactured prior to 2007 may require a software update to operate carbon fiber rotors. Please contact your sales or service representative to obtain a part number and pricing where applicable.



Indicates that the centrifuge accessory has been successfully tested for biological containment.

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## Thermo Scientific Heraeus Multifuge 3 Plus Centrifuge Series Specifications



Specifications	Heraeus Multifuge 3 Plus	Heraeus Multifuge 3R Plus
<b>Max Capacity</b>	4 x 750 ml (or 4 x 4 microplates)	4 x 750 ml (or 4 x 4 microplates)
<b>Max RCF</b>	24,400 x g	24,400 x g
<b>Control System</b>	Microprocessor via EASYset (soft-touch keypad)	Microprocessor via EASYset (soft-touch keypad)
<b>Programs</b>	4 user programs	4 user programs
<b>Speed Range</b>	300 - 15,000 adjustable in 10 rpm increments	300 - 15,000 adjustable in 10 rpm increments
<b>Drive System</b>	Brushless induction	Brushless induction
<b>Precooling Function</b>	1 pre-temp program	1 pre-temp program
<b>Functions</b>	RCF preselection, quick-on, automatic rotor recognition and imbalance detection	RCF preselection, quick-on, automatic rotor recognition and imbalance detection
<b>Acceleration/Braking Rates</b>	9/9	9/9
<b>Max Noise Level</b>	< 66 db(A)	< 55 db(A)
<b>Run Time</b>	0 - 9 hrs, 59 mins, continuous operation	0 - 9 hrs, 59 mins, continuous operation
<b>Temperature Range</b>	N/A	-9° C to 40° C, CFC-free refrigerant
<b>Safety</b>	Lid lock and lid interlock (2 automatic lid locks)	Lid lock and lid interlock (2 automatic lid locks)
<b>Standards</b>	EN 61 010-1, EN 61 010-2-020 CE marked, CSA approved	EN 61 010-1, EN 61 010-2-020 CE marked, CSA approved
<b>Electrical</b>	120 V (60 Hz), 230 V (50/60 Hz)	120 V (60 Hz), 230 V (50/60 Hz)

Ordering Information	Heraeus Multifuge 3 Plus	Heraeus Multifuge 3R Plus
<b>Catalog Numbers</b>		
120 V (60 Hz)	75004365	75004375
230 V (50/60 Hz)	75004361	75004371
<b>Accessory Carts</b>		
Benchtop	76000077	75000075
Under bench	76000078	76000076
<b>Product Dimensions</b>		
Height (lid closed) [cm/in]	36.2/14.3	36.2/14.3
Width [cm/in]	55.1/21.7	73.3/28.7
Depth [cm/in]	66.6/26.2	66.6/26.2
Weight [kg/lb]	89/196	131/288

### A History of Performance and Reliability

For more than 50 years, our Thermo Scientific Heraeus centrifuges have stood for outstanding performance and reliability in the lab. That tradition continues today. From basic benchtop instruments to advanced floor models, we take pride in manufacturing centrifuges that deliver reliable operation and consistent results year after year.

### Worldwide Service and Support

We are committed to keeping your lab equipment working at peak performance levels. Our goal is to help you lower ownership costs, manage labs more effectively, and increase productivity. Contact your local account representative to learn more about our service offerings, including service agreements, preventive maintenance, on-site field repair, depot repair, compliance services and educational services.

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