

## Thermo Scientific CL10 Centrifuge Series

*Solid Performance, Proven Reliability*

## Solid Performance, Proven Reliability

The Thermo Scientific CL10 centrifuge series is the perfect solution for your low-speed clinical applications. Designed for everyday use, the CL10 offers many innovative features that make it the most complete basic centrifuge available. Its compact, space-saving design delivers reliable separations quickly and safely, making it the ideal centrifuge for small and medium laboratories and medical offices.

### Fast, Efficient and Reliable

- Spin up to 16 x 5/ 7 mL blood tubes per run at up to 4,000 rpm (2,600 x g) for quick and efficient separations.
- Programmable centrifugation cycles allow you to choose the appropriate acceleration/ deceleration rate for each protocol.
- A microprocessor control system ensures continuous regulation of speed and time to ensure a high-quality separation.
- The superior ventilation system protects your valuable samples from heat.
- A choice of multi-purpose accessories and rotors expands the range of applications supported.

### Convenient and Functional

- The user-friendly interface – with its bright, easy-to-read digital display – makes it easy to implement your protocols.
- The brushless induction drive enables quiet operation, minimizes maintenance, and avoids carbon dust for a safe and healthy working environment.
- Compact design preserves precious laboratory bench space.
- High-quality manufacturing materials ensure a long shelf life.

### History of Quality and Value

- Building upon more than 100 years of experience, the CL10 centrifuge leverages our substantial expertise in laboratory equipment to provide a high-quality, user-friendly centrifuge that addresses the everyday needs of today's demanding laboratories.

### Safe

- Aerosol-tight accessories, tested by CAMR\* Porton Down, keep samples contained—even in the event of tube breakage – to ensure biological safety protection.
- Automatic imbalance detection disables operation to prevent accidents.
- Automatic rotor recognition prevents disallowed speeds.
- CE mark and UL/ cUL approval demonstrates compliance with the most rigorous worldwide regulations and European directives: IEC 1010-1, IEC 1010-2-020.

*\*CAMR is now incorporated within the UK Health Protection Agency (HPA).*

### Speed and ease-of-use

- Spins swing-out rotors at 4,000 rpm; Fixed Angle up to 6,500 rpm
- Offers 1 - 99 minute timer with hold feature
- Provides digital set point and display system
- Features hard and soft braking/ acceleration

### Safe, quiet operation

- Sound level never exceeds 57 dBA
- Aerosol-tight accessories are tested by CAMR Porton Down
- Includes OSHA<sup>†</sup>-approved safety features

<sup>†</sup> OSHA: Occupational Safety and Health Administration, US



## Thermo Scientific CL10 Rotors and Accessories

### 0-G26/ 1 Swing-out Rotor

Description	RPM	RCF (x g)	Cat. No.
<b>0-G26/ 1 Swing-out Rotor, 4 x 135 mL</b>			
<b>Includes 4 buckets</b>	4000	2647	11210014
Buckets, 135 mL (set of 4)			11210331
Sealing lids for 135 mL buckets (set of 4)			11210664

#### Adapters for 11210014 (set of 4)

Capacity	Tube Dimensions	Rotor Capacity	Cat. No.
1 X 135 mL	43.4 x 112	4	direct
1 X 110/ 100 mL	40 x 115	4	11210665
1 X 100 mL	44 x 100	4	11210684
1 X 94/ 85/ 80 mL	38 x 111.5	4	11210677
1 X 65/ 50 mL	34 x 100	4	11210667
1 X 50 mL	28.5 x 106	4	11210674
<b>1 X 50 mL conical</b>	<b>28 x 116</b>	<b>4</b>	<b>11210675</b>
1 X sulphate tube	30 x 115	4	11210683
1 X 30 mL	23.5 x 105	4	11210671
1 X 30/ 25 mL	25.5 x 95	4	11210666
1 X 25 mL	24 x 104	4	11210672
3 X 16/ 15 mL	18 x 107	12	11210670
3 X 15/ 10 mL BD Vacutainer®	16 x 120	12	11210680
<b>1 X 15 mL conical</b>	<b>16.5 x 121</b>	<b>4</b>	<b>11210676</b>
<b>1 X 15 mL urine</b>	<b>17 x 105</b>	<b>4</b>	<b>11210679</b>
3 X 13.5/ 10 mL	16 x 82	12	11210678
7 X 8 mL	12 x 100	28	11210669
<b>4 X 5/ 7 mL BD Vacutainer</b>	<b>13 x 100</b>	<b>16</b>	<b>11210682</b>
7 X 5 mL	12 x 75	28	11210673
7 X 3 mL	11 x 70	28	11210668
5 X 2/ 1.5 mL	10 x 41	20	11210685

### 0-G26/ 2 Swing-out Rotor

Description	RPM	RCF (x g)	Cat. No.
<b>0-G26/ 2 Swing-out Rotor - Rotating</b>			
<b>Equipment Package Includes:</b>			
<b>0-G26 rotor, 4 trunnions (16 x 15 ml) and 16 unsealed carriers</b>	4000	2575	11210015
Spare trunnions, 16 x 15 mL (set of 4)			11210344
Unsealed carriers, 15 mL (set of 8)			11210883

#### Adapters for 11210015 (1 per package)

Capacity	Tube Dimensions	Rotor Capacity	Cat. No.
1 X 13.5 mL	16 x 82	16	11203666
1 X 8/ 7 mL + BD Hemogard®/ BD Vacutainer	13 x 100	16	11172596
1 X 5 mL	13 x 75	16	11172402
1 X 5 mL (type BD Hemogard)	13 x 75	16	11172595
1 X 3 mL	11 x 70	16	11172287
1 X 2/ 1.5 mL	10 x 41	16	11172288

### 0-G26/ 3 Swing-out Rotor

Description	RPM	RCF (x g)	Cat. No.
<b>0-G26/ 3 Swing-out Rotor – Rotating</b>			
<b>Equipment Package Includes:</b>			
<b>0-G26 and 4 trunnions 8x15 ml and 8 sealed carriers</b>	4000	2575	11210016
Spare trunnions, 8x15 mL (set of 4)			11210345
Sealed carrier, 15 mL (each)			11203722
Spare sealing lid for 15 mL carrier (each)			11203724

#### Adapters for 11210016 (1 per package)

Capacity	Tube Dimensions	Rotor Capacity	Cat. No.
1 X 13.5 mL	16 x 82	8	11203666
1 X 8/ 7 mL + BD Hemogard®/ BD Vacutainer	13 x 100	8	11172596
1 X 5 mL	13 x 75	8	11172402
1 X 5 mL (type BD Hemogard)	13 x 75	8	11172595
1 X 3 mL	11 x 70	8	11172287
1 X 2/ 1.5 mL	10 x 41	8	11172288



11210014 0-G26/ 1



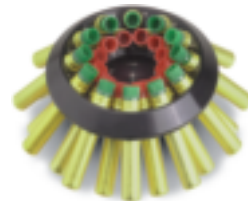
11210015 0-G26/ 2



11210016 0-G26/ 3



11210018 F-G1



11210019 F-G3



11210891 A-G20

### F-G1 Fixed Angle Rotor

Description	RPM	RCF (x g)	Cat. No.
<b>F-G1 rotor 6 x 50 mL conical:</b>	5000	3661	11210018
<b>Includes 6 buckets</b>			
Spare buckets for F-G1 rotor (set of 6)			11210635

#### Adapters for 11210018 (set of 6)

Capacity	Tube Dimensions	Rotor Capacity	Cat. No.
1 X 50 mL conical	28.5 x 106	6	direct
1 X 50 mL	28 x 116	6	11210577
1 x 16/ 15 mL	18 x 107	6	11210527
1 X 15 mL conical	16.5 x 121	6	11210532
1 X 10 mL	16 x 82	6	11210537
1 X 2/ 1.5 mL	10 x 41	6	11210542

### F-G3 Fixed Angle Rotor

Description	RPM	RCF (x g)	Cat. No.
<b>F-G3 rotor, 24 x 15 ml</b>	4000	2380	11210019
<b>Includes 24 buckets</b>			

#### Adapters for 11210019 (1 per package)

Capacity	Tube Dimensions	Rotor Capacity	Cat. No.
1 x 15 mL conical	16.5 x 121	18	direct
1 X 13.5 mL	16 x 82	24	11203666
1 X 8/ 7 mL + BD Hemogard®/ BD Vacutainer	13 x 100	24	11172596
1 X 5 mL (type BD Hemogard)	13 x 75	24	11172595
1 X 5 mL	13 x 75	24	11172402
1 X 3 mL	11 x 70	24	11172287
1 X 2/ 1.5 mL	10 x 41	24	11172288

### A-G20 Fixed Angle Rotor

Description	RPM	RCF (x g)	Cat. No.
<b>A-G20 rotor 20 x 2 mL</b>	6500	3684	11210891

#### Adapters for 11210891 (Set of 20)

Capacity	Tube Dimensions	Rotor Capacity	Cat. No.
1 X 2/ 1.5 mL	10 x 41	20	direct
1 X 0.5 / 0.8 mL	diam 8 mm	20	41174928
1 X 0.5 mL	diam 6 mm	20	41174938
1 X 0.2 mL PCR	diam 6 mm	20	11174631



## Thermo Scientific CL10 Centrifuge Series

Specifications	CL10
<b>Max Capacity</b>	
Swing-out	4 x 135 mL
Fixed Angle	6 x 50 mL
<b>Max Density</b>	1200 kg/ m <sup>3</sup>
<b>Max Load</b>	0.648 kg
<b>Max Speed</b>	
Swing-out	4000 rpm
Fixed Angle	6500 rpm
<b>Max RCF</b>	
Swing-out	2647 x g
Fixed Angle	3684 x g
<b>Control System</b>	Microprocessor
<b>Speed Set/ Display</b>	
Range	300 - 6500 rpm
Step	10 rpm
Accuracy	±20 rpm (display)
<b>Timer Set/ Display</b>	1 min up to 99 min + Hd
<b>Acceleration Rates</b>	High or Low
<b>Braking Rates</b>	High or Low
<b>Drive System</b>	Direct
<b>Motor Type</b>	Brushless induction
<b>Power (average/ max)</b>	150 W
<b>Noise</b>	57 dBA
<b>Standards</b>	IEC 1010-1, IEC 1010-2-020, CE marked, UL listed, cUL listed
<b>Product Dimensions</b>	
Height (lid closed) [cm/ in]	28/ 11
Width [cm/ in]	37/ 14.6
Depth [cm/ in]	46/ 18.1
Weight unpacked [kg/ lb]	28/ 61.7

Ordering Information	
Catalog Numbers	Description
11210900	CL10, 230V - 50/ 60 Hz
11210901	CL10, 120V - 60 Hz
<b>Packing Dimensions</b>	
Height [cm/ in]	51/ 20.1
Width [cm/ in]	64/ 25.6
Depth [cm/ in]	55/ 21.7
Weight packed [kg/ lb]	40/ 88.2

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