

The Thermo Scientific CL2 compact benchtop centrifuge incorporates an array of features that ensure safe, convenient operation and consistent results for your low-speed applications.

## Thermo Scientific CL2 Centrifuge

Compact benchtop centrifuge

### Compact, Versatile and Convenient

- Broad library of swinging bucket and fixed angle rotors and adapters
- Range of speeds – up to 5200 rpm
- Small footprint requires minimal bench space
- Lightweight and easy to transport
- Sealed Thermo Scientific Aerocarrier inserts ensure biocontainment
- High capacity spins up to 28 x 5 mL (13 mm) blood tubes and 6 x 50 mL conicals
- User-friendly controls allow rapid time and speed adjustments
- Microprocessor-based controls ensure consistent, accurate results



Sealed Aerocarrier inserts ensure safe, secure sample handling.



### Flexibility for Multiple Applications

With its broad library of swinging-bucket and fixed angle rotors and adapters and speeds up to 5200 rpm, the Thermo Scientific CL2 centrifuge gives you the separating power for a wide range of application needs.

### Powerful, Intuitive Interface

- The user interface is simple to learn. Time and speed are easily adjusted with up and down keys.
- Microprocessor-based controls ensure accurate results.
- The Thermo Scientific At-Speed timer begins timing the run when the rotor reaches its maximum speed, ensuring consistent results from run-to-run, regardless of differences in rotor loading.

### Convenient Size

- The small footprint (27 x 34 cm/ 13 x 16 in) requires considerably less bench space than comparable centrifuges.
- Weighing just 13 kg (29 lbs), the CL2 is easy to move within the lab or out in the field.

### Safety and Productivity

- Convenient, lightweight Aerocarrier adapters allow samples to be safely handled inside a biosafety cabinet.
- Screw-tight lids can be easily manipulated with gloved hands.
- Adapters can be autoclaved and cleaned with disinfectants without risk of corrosion.
- Supporting up to 28 x 5/ 7 mL blood tubes and 6 x 50 mL conicals, the CL2 accommodates larger batch sizes without compromising bench space.

## Thermo Scientific CL2 Rotors and Accessories

**236 Aerocarrier Rotor**

Cat. No.	Description	Container Volume (mL)	Capacity (rotor)	Max Speed (rpm)	Max RCF (x g)
002360F	Aerocarrier™ Rotor, includes 4 fixed trunnion rings			3900	1950
523670F	<b>Cell Culture Package (4 x 50 mL conicals and 8 x 15 mL conicals):</b> Includes 002360F rotor, 2 pair 1 x 50 mL conical and 2 pair 2 x 15 mL conical Aerocarrier inserts	50 15	4 8	3400	1950
523680F	<b>Blood Tube Package:</b> Includes 002360F rotor, 2 pair 02094SF Aerocarrier inserts for 7 x 5 mL blood tubes and 2 pair 02093SF Aerocarrier inserts for 4 x 7/ 10 mL blood tubes	5 7/ 10	28 16	3900	2150

**Aerocarrier Inserts for 236 Aerocarrier Rotor**

Cat. No.	Description	Tube Dimension (mm)	No. of Tubes per Rotor	Order Quantity
02091SF	Aerocarrier for 1 x 50 mL Falcon®/ Corning® conical	29 x 115	4	2 pair
02092SF	Aerocarrier for 2 x 15 mL Falcon/ Corning conical	17 x 120	8	2
02092SF	Aerocarrier for 2 x 12 mL urine tube	17 x 103	8	2
02093SF	Aerocarrier for 4 x 7/ 10 mL blood tube	13/ 16 x 100	16	2
02094SF	Aerocarrier for 7 x 5/ 7 mL blood tube	13/ 16 x 75	28	2
02096SF	Aerocarrier for 10 x 1.5 mL microtube	11 x 44	40	2
02097SF	Aerocarrier for 1 x 25 mL universal flat vial	29 x 95	4	2
442750R	Replacement o-ring for Aerocarrier adapters			1 each
020980R	Replacement cap for Aerocarrier adapters			1

**221 Economy Swinging-Bucket Rotor**

Cat. No.	Description	Container Volume (mL)	Capacity (rotor)	Max Speed (rpm)	Max RCF (x g)
002210F	6 x 15 mL Economy Swinging-Bucket Rotor			3500	1890
522120F	<b>6 x 15 mL Economy Swinging-Bucket Rotor Package:</b> Includes 002210F rotor, 003030F buckets and 006680F cushions	15	6	3100	1625

**Fixed Angle Rotors**

Cat. No.	Description	Container Volume (mL)	Capacity (rotor)	Max Speed (rpm)	Max RCF (x g)
008010F	6 x 50 mL Fixed Angle Rotor*	50	6	3900	2050
580120F	<b>6 x 50 mL Fixed Angle Rotor Package:</b> Includes 008010F rotor, 003050F buckets and 003150R cushions	50	6	3900	2050
008090F	12 Place Fixed Angle Rotor	15	12	3800	2150
580920F	<b>12 x 15 mL Fixed Angle Rotor Package:</b> Includes 008090F rotor, 003020F buckets and 006680R cushions	15	12	3800	2150
00804SF	<b>4 x 50 mL Angle Rotor Package:</b> for 50 mL and 15 mL* conical tubes	50	4	4200	2270

\* Order 3 pair of 011060F adapters and 1 pk/ 12 006680F cushions for 15 mL conical tubes.



002360F Aerocarrier Rotor with optional Aerocarrier inserts pictured



580920F Fixed Angle Rotor



00804SF Rotor

## Thermo Scientific CL2 Rotors and Accessories

## 215 Economy Swinging-Bucket Rotor

Cat. No.	Description	Container Volume (mL)	Capacity (rotor)	Max Speed (rpm)	Max RCF (x g)
002150F	4 x 50 mL Economy Swinging-Bucket Rotor	50	4	Varies per adapter	
521510F	<b>4 x 50 mL Rotor Package:</b> Includes 003250F trunnion ring, 003200F buckets and 003150R cushions	50	4	3350	1750
521530F	<b>4 x 50 mL Sealed Rotor Package:</b> Includes 003500F trunnion ring, 003230F buckets and 005710F cushions	50	4	3175	1750

## Accessories for 215 Economy Swinging-Bucket Rotor (order each item separately)

Cat. No. Trunnion Ring*	Cat. No. Bucket* or Carrier†	Capacity	Tube	Max Size (mm)	Max Speed (rpm)	Max Force (rcf x g)	Radius
003660F	003690F	20 x 5 mL	10/ 12 x 75 mm	12.6 x 83	5200	3350	11.1
003660F	010180F	16 x 7 mL	13 x 75/ 100 mm	14.2 x 103	4700	3150	12.8
003250F	003200F	4 x 50 mL	Falcon/ Corning conical (also order 4 each 003150F)	30 x 116	4600	3300	14.0
003500F	003230F	4 x 50 mL	Falcon/ Corning conical	29.4 x 120	4300	3200	15.4
003500F	003230F	4 x 15 mL	Falcon/ Corning conical (also order 2 pr 011060F and 1 pk/ 12 005710F)	17.5 x 128	4300	3200	15.4

† Order both Trunnion Rings and Buckets or Carriers of equal capacity.



The 002150F Economy Swinging Bucket Rotor offers a variety of accessories to meet your specific application requirements.

## Thermo Scientific CL2 Centrifuge



### Specifications

<b>Max Capacity</b>	
Swinging-Bucket	200 mL (4 x 50 mL)
Fixed Angle	300 mL (6 x 50 mL)
<b>Max Speed</b>	
Swinging-Bucket	5200 rpm
Fixed Angle	4200 rpm
<b>Max RCF</b>	
Swinging-Bucket	3350 x g
Fixed Angle	2270 x g
<b>Speed Set/ Display</b>	1000 to 5200 rpm in 100 rpm increments
<b>Time Set/ Display</b>	5 sec to 1 min in 5 sec increments
	1 to 5 min in 15 sec increments
	5 to 30 min in 1 min increments
	Hold to 99 min 99 sec
<b>Timer Features</b>	Hold, At-Speed, regular timed mode
<b>Display</b>	4 character LCD display
<b>Heat Output</b>	175 Watts (600 BTU / hr)
<b>Noise</b>	65 dBA
<b>Standards</b>	ISO 9001, IEC 1010-2-020
<b>Product Dimensions</b>	
Height [cm/ in]	27.5/ 10.75
Height (cover open) [cm/ in]	61/ 24
Width [cm/ in]	34/ 13.25
Depth [cm/ in]	40/ 15.75
Weight unpacked [kg/ lbs]	11/ 24

### Ordering Information

Catalog Number	Description
004260F	CL2, 120V 60 Hz
004270F	CL2, 230V 50 Hz
<b>Packing Dimensions</b>	
Height [cm/ in]	46/ 18
Width [cm/ in]	46/ 18
Depth [cm/ in]	41/ 16
Weight packed [kg/ lbs]	13/ 29

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