



Thermo Scientific IEC CL30 Centrifuge Series

Convenience,
Reliability and Value



Featuring Fast Rotor Exchanges with AUTO-LOCK®

DJB Labcare - The UK's Leading Centrifuge Specialist
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Convenience, Reliability and Value in Sample Preparation

Offering maximum convenience and exceptional value in a multipurpose benchtop centrifuge, the Thermo Scientific IEC CL30 Series is an excellent choice for your low-speed clinical applications.

Convenience

- The unique AUTO-LOCK rotor exchange system on the IEC CL30 Series lets you swap rotors in seconds. You can change protocols quickly and perform daily cleaning tasks with ease.
- With its broad selection of rotors, buckets and adapters, the IEC CL30 Series can be equipped to support virtually every routine clinical application.

Reliability

- The IEC CL30 Series' brushless induction motor provides years of service with minimal maintenance. Its quiet operation eliminates distractions.
- The CL30R centrifuge uses an ozone-friendly, CFC-free refrigerant for compliance with environmental protection regulations.

High Capacity

- The IEC CL30 Series delivers high capacity in a compact footprint. You can run 60 x 5/7 mL, 30 x 15mL, and 16 x 50 mL cell culture tubes or microplates—without giving up precious bench space.

Ease of Use

- A simple, intuitive control panel gives you push-button access to frequently-used programs.
- G-force run control ensures transferability of your protocols from other centrifuges, without cross-referencing to RPM.

Safety

- Supports a protected laboratory environment with a full set of sealed accessories, tested by CAMR* in Porton Down, England, the gold-standard in biological safety testing.

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



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Fast Rotor Exchanges with AUTO-LOCK

This unique IEC CL30 feature lets you swap rotors in 5 seconds – without having to remove or tighten lug nuts.



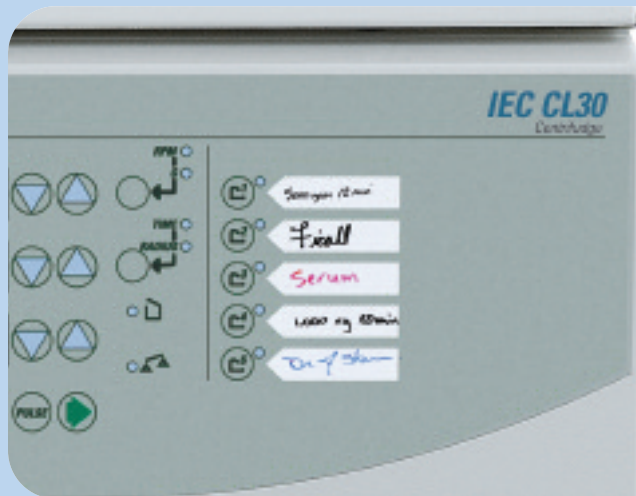
1 Snap in your tissue culture rotor and lock it in place.



2 Instantly unfasten and remove it.



3 Snap in a new rotor and you're ready to spin your microtubes – in less than 5 seconds!



Maximum Convenience with Quick Recall Keys

The convenient control panel on the IEC CL30 Series includes a unique interface featuring quick-recall keys that provide single keystroke access to your most frequently-used programs. You can record your protocols on hand-written labels and recall them instantly.

With its unique AUTO-LOCK rotor exchange system, user-friendly controls, and generous sample capacity, the IEC CL30 Series delivers solid performance for your daily centrifugation needs.



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Thermo Scientific IEC CL30 Rotors and Accessories

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Inserts

S41 Swing-Out Rotor

| Description | Rotor Capacity | Max Tube ø (mm) | Radius (mm) | Max Speed (rpm) | Max RCF (xg) | Cat. No. |
|---|----------------|-----------------|-------------|-----------------|--------------|-----------------|
| S41 Swing-Out Rotor, 4 x 200 ml | | | | | | 11210246 |
| Standard buckets, 200 ml (set of four) | | 57 | 161 | 4100 | 3026 | 11175611 |
| Sealing lids for 11175611 (set of four) | | | | | | 11175612 |
| Adapters for S41 Swing-Out Rotor (set of four) | | | | | | |
| 200 ml PP bottle p/n 41193271 | 4 | 56.5 | 161 | 4100 | 3026 | direct |
| 1 x 100 ml | 4 | 45 | 159 | 4100 | 2990 | 11174181 |
| 1 x 50 ml round | 4 | 35 | 158 | 4100 | 2970 | 11174501 |
| 1 x 50 ml conical | 4 | 29 | 159 | 4100 | 2990 | 11174528 |
| 1 x 25 ml universal flat/skirt | 4 | 25 | 158 | 4100 | 2970 | 11174527 |
| 3 x 20 ml | 12 | 22 | 159 | 4100 | 2990 | 11174502 |
| 3 x 15 ml conical | 12 | 17.5 | 156 | 4100 | 2930 | 11174537 |
| 7 x 15 ml Nalgene® | 28 | 17 | 156 | 4100 | 2930 | 11174183 |
| 3 x 15 ml urine | 12 | 17 | 159 | 4100 | 2990 | 11210419 |
| 3 x 15 ml BD Vacutainer® | 12 | 17.5 | 159 | 4100 | 2990 | 11210523 |
| 3 x 12 ml Greiner flat | 12 | 17.5 | 159 | 4100 | 2990 | 11174509 |
| 5 x 10 ml BD Vacutainer | 20 | 16 | 159 | 4100 | 2990 | 11174503 |
| 5 x 5/10 ml flat | 20 | 17 | 159 | 4100 | 2990 | 11174534 |
| 7 x 5/7 ml BD Vacutainer | 28 | 13 | 159 | 4100 | 2990 | 11210604 |
| 9 x 5 ml BD Vacutainer | 36 | 13.5 | 159 | 4100 | 2990 | 11174505 |
| 5 x 5 ml flat | 20 | 17 | 159 | 4100 | 2990 | 11174533 |
| 12 x 3-5 ml | 48 | 12 | 158 | 4100 | 2970 | 11174506 |
| 6 x 2 ml | 24 | 11 | 158 | 4100 | 2970 | 11174508 |



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T41 Swing-Out Rotor

| Description | Rotor Capacity | Max Tube ø (mm) | Radius (mm) | Max Speed (rpm) | Max RCF (xg) | Cat. No. |
|---|----------------|-----------------|-------------|-----------------|--------------|-----------------|
| T41 Swing-Out Rotor, 4 x 280 ml | | | | | | 11210435 |
| Standard buckets, 280 ml (set of four) | | 77 | 164 | 4100 | 3082 | 11210436 |
| Buckets, 4 x 50 ml conical (set of four) | 16 | 33 | 169 | 4100 | 3176 | 11175752 |
| Buckets, 15 x 5/7 ml BD Vacutainer (set of four) | 60 | 13.5 | 165 | 4100 | 4100 | 3101 |
| 11175763 | | | | | | |
| Sealing lids for 11210436 and 11175763 (set of four) | | | | | | 11175712 |
| Adapters for T41 Swing-Out Rotor (set of four) | | | | | | |
| 1 x 280 ml round | 4 | 64 | 161 | 4100 | 3026 | 11175713 |
| 1 x 250 ml flat | 4 | 61 | 161 | 4100 | 3026 | 11175714 |
| 1 x 200 ml flat | 4 | 55 | 156 | 4100 | 2932 | 11175715 |
| 1 x 175 ml conical | 4 | 60 | 166 | 4100 | 3120 | 11175716 |
| 1 x 100 ml | 4 | 38 | 161 | 4100 | 3026 | 11175719 |
| 2 x 65 ml round | 8 | 34 | 156 | 4100 | 2932 | 11175720 |
| 4 x 50 ml round | 16 | 28.5 | 132 | 4100 | 2481 | 11175721 |
| 1 x 50 ml conical skirted | 4 | 29 | 163 | 4100 | 3063 | 85540105 |
| 2 x 50 ml conical | 8 | 29 | 134 | 4100 | 2518 | 11175722 |
| 3 x 50 ml conical* | 12 | 29 | 134 | 4100 | 2518 | 11210348 |
| 1 x Centriprep® | 4 | 28 | 160 | 4100 | 3007 | 11175732 |
| 5 x 30 ml round | 20 | 25.5 | 157 | 4100 | 2951 | 11175723 |
| 3 x 25 ml universal | 12 | 26 | 153 | 4100 | 2875 | 11204125 |
| 5 x 25 ml | 20 | 24 | 155 | 4100 | 2932 | 11175724 |
| 4 x 25 ml Corex® | 16 | 24 | 155 | 4100 | 2913 | 11175725 |
| 9 x 16 ml round | 36 | 18 | 160 | 4100 | 3007 | 11175726 |
| 12 x 10 ml BD Vacutainer | 48 | 17 | 160 | 4100 | 3007 | 11175727 |
| 4 x 15 ml BD Vacutainer® | 16 | 16 | 163 | 4100 | 3063 | 11175738 |
| 7 x 15 ml urine | 28 | 17 | 161 | 4100 | 3026 | 11175729 |
| 4 x 15 ml conical | 16 | 17 | 163 | 4100 | 3063 | 11175730 |
| 5 x 15 ml conical* | 20 | 17 | 163 | 4100 | 3063 | 11175731 |
| 4 x 14 ml Corning round | 16 | 15.5 | 163 | 4100 | 3063 | 11175747 |
| 12 x 13 ml | 48 | 16 | 160 | 4100 | 3007 | 11175732 |
| 9 x 10 ml | 36 | 16 | 160 | 4100 | 3007 | 11175728 |
| 19 x 8 ml | 76 | 12 | 160 | 4100 | 3026 | 11175733 |
| 12 x 5/7 ml BD Vacutainer | 48 | 12.5 | 160 | 4100 | 3007 | 11175740 |
| 19 x 5 ml RIA | 76 | 13 | 161 | 4100 | 3026 | 11175734 |
| 19 x 3 ml RIA | 76 | 11 | 161 | 4100 | 3026 | 11175735 |
| 13 x 2 ml | 52 | 10 | 159 | 4100 | 2988 | 11175736 |

* In open buckets only.



Indicates that the centrifuge accessory has been successfully tested for biological containment by CAMR (HPA) Porton Down, UK.

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AC15.4 Fixed-Angle Rotor

| Description | Rotor Capacity | Max Tube ø (mm) | Radius (mm) | Max Speed (rpm) | Max RCF (xg) | Cat. No. |
|--------------------------------------|-------------------|-----------------|-------------|-----------------|--------------|-----------------|
| AC15.4 Fixed-Angle Rotor, 37° | 30 x 15 ml | 17.5 | 135 | 4100 | 2537 | 11175755 |
| Adapters (each) | | | | | | |
| 1 x 10/15 ml | 30 | | 135 | 4100 | 2537 | direct |
| 1 x 13.5 ml | 30 | | 130 | 4100 | 2440 | 11203666 |
| 1 x 8/7 ml BD Vacutainer | 30 | | 130 | 4100 | 2440 | 11172596 |
| 1 x 5 ml BD Hemogard® | 30 | | 116 | 4100 | 2180 | 11172595 |
| 1 x 5 ml | 30 | | 116 | 4100 | 2180 | 11172402 |
| 1 x 3 ml | 30 | | 112 | 4100 | 2100 | 11172287 |
| 1 x 2/1.5 ml | 30 | | 105 | 4100 | 1970 | 11172288 |



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T20 Microplate Rotor

| Description | Capacity | Radius (mm) | Max Speed (rpm) | Max RCF (xg) | Cat. No. |
|---|---|-------------|-----------------|--------------|-----------------|
| T20 Microplate Rotor | 2 x 3 microplates / 2x1 deepwell | 115 | 4100 | 2160 | 11175750 |
| Sealed plate carriers (set of two) | 2 x 3 microplates / 2x1 deepwell | | | | 11175631 |
| Rubber cushion for flexible microplates | | | | | 11174207 |
| Flask adapters (set of two) | 2 x 1 T-25 or T-75 Falcon® type flasks | | | | 11210762 |

AC50.10 Fixed-Angle Rotor



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| Description | Rotor Capacity | Max Tube ø (mm) | Radius (mm) | Max Speed (rpm) | Max RCF (xg) | Cat. No. |
|---------------------------------------|----------------------|-----------------|-------------|-----------------|--------------|-----------------|
| AC50.10 Fixed-Angle Rotor, 40° | 6 x 50 ml con | 29.5 | 112 | 6500 | 5300 | 11175754 |
| Adapters | | | | | | |
| 1 x 50 ml conical (each) | 6 | 30 | | | | direct |
| 1 x 50 ml round (set of six) | 6 | 28.5 | | | | 11210577 |
| 1 x 30/38 ml (set of eight) | 6 | 26 | | | | 11174599 |
| 1 x 15 ml conical (set of four) | 6 | 17.5 | | | | 11174606 |
| 1 x 10 ml (set of four) | 6 | 17 | | | | 11177378 |



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AC2.14 Sealed Microtube Rotor

| Description | Capacity | Radius (mm) | Max Speed (rpm) | Max RCF (xg) | Cat. No. | |
|---------------------------------|------------------|-------------|-----------------|--------------|-------------|-----------------|
| AC2.14 Sealed Rotor, 45° | 24 x 2 ml | 11 | 84 | 6500 | 3967 | 11175741 |
| Spare lid for AC2.14 Rotor | | | | | | 11175642 |
| Adapters (set of 24) | | | | | | |
| 1 x 2/1.5 ml | 24 / 48 | 10 | | | direct | |
| 1 x 0.5 / 0.8 ml | 24 / 48 | 8 | | | 41174542 | |
| 1 x 0.5 ml | 24 / 48 | 6 | | | 41174538 | |
| 1 x 0.2 ml PCR | 24 / 48 | 6 | | | 11174637 | |

History of Quality and Value

Building upon 105 years of experience, the IEC CL30 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.



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Thermo Scientific IEC CL30 Centrifuge Series Specifications



| Specifications | IEC CL30 | IEC CL30R |
|----------------------------------|---|---|
| Max Capacity | | |
| Swing-out | 4 x 280 mL | 4 x 280 mL |
| Fixed Angle | 6 x 50 mL | 6 x 50 mL |
| Max Density | 1.2 | 1.2 |
| Max Load | 1.34 kg | 1.34 kg |
| Max Speed | | |
| Swing-out | 4100 rpm | 4100 rpm |
| Fixed Angle | 6500 rpm | 6500 rpm |
| Max RCF | | |
| Swing-out | 3176 x g | 3176 x g |
| Fixed Angle | 5300 x g | 5300 x g |
| Control System | Microprocessor | Microprocessor |
| Programs | 5 (direct recall) | 5 (direct recall) |
| Speed Set/Display | | |
| Range | 500 - 6500 rpm | 500 - 6500 rpm |
| Step | 10 rpm | 10 rpm |
| Accuracy | ±10 rpm | ±20 x rpm (display) |
| RCF Set/Display | | |
| Range | 10 - 5300 | 10 - 5300 |
| Step | 1 x g | 1 x g |
| Accuracy | ±20 x g (display) | ±10 x g |
| Radius Control Definition | 1 mm | 1 mm |
| Timer Set/Display | 30 s - 99 min + continuous | 30 s - 99 min + continuous |
| Temperature Set/Display | N.A. | -9°C to 40°C |
| Acceleration Rates | 5 | 5 |
| Braking Rates | 5 + no brake | 5 + no brake |
| Drive System | Direct | Direct |
| Motor Type | Brushless induction | Brushless induction |
| Power (average / max) | 350 / 500W | 550 / 800 W |
| Standards | IEC 1010-1, IEC 1010-2-020, CE marked UL listed, cUL certified | IEC 1010-1, IEC 1010-2-020, CE marked UL listed, cUL certified |

| Ordering Information | IEC CL30 | IEC CL30R |
|-------------------------------|------------|------------|
| Catalog Numbers | | |
| 230V - 50/60 Hz | 11210904 | 11210908 |
| 120V - 60 Hz | 11210905 | 11210909 |
| Product Dimensions | | |
| Height (lid closed) [cm / in] | 37 / 14.6 | 37 / 14.6 |
| Width [cm / in] | 40 / 15.7 | 57 / 22.4 |
| Depth [cm / in] | 50 / 19.7 | 60 / 23.6 |
| Weight unpacked [kg / lb] | 40 / 88.1 | 72 / 158.7 |
| Packing Dimensions | | |
| Height [cm / in] | 60 / 23.6 | 61 / 24.0 |
| Width [cm / in] | 61 / 24.0 | 76 / 29.9 |
| Depth [cm / in] | 54 / 21.2 | 74 / 29.1 |
| Weight packed [kg / lb] | 52 / 114.6 | 85 / 187.3 |

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