

OXFORD

LAB PRODUCTS

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HIGH SPEED REFRIGERATED CENTRIFUGE



Oxford High Speed Refrigerated Centrifuge operates with the maximum speed of 17.000 rpm, corresponding to 27.237 g. It's an ideal centrifuge for molecular and cellular applications, such as ethanol precipitation, phenol extraction, NA preparation, cell collection or spin-down of temperature sensitive reaction mixtures.

Oxford High Speed Refrigerated Centrifuge offers a maximum rotor capacity of 30 microtubes (18 microfilter tubes or 64 PCR tubes). Its operating temperature range is from -20°C to +40°C. The samples are cooled down to the temperature of 4°C in just 5 minutes. The chamber is rust-free and Teflon-coated. The compressor-off function prevents from unnecessary cooling and frosting while the lid is open.

As with all **Oxford** instruments, the **High Speed Refrigerated Centrifuge** offers quiet operation, keeping the noise level at only 56 dB. The parameters can be changed upon operation unless the Key Lock Function is activated.

Oxford High Speed Refrigerated Centrifuge offers multiple rotor options.

Specifications:

Max. RPM / Fixed angle	17,000 rpm
Max. RCF / Fixed angle	27,237 x g
Max. capacity / Fixed angle	30 x 1.5 / 2.0ml, 8 PCR strips
Max. capacity / Swing-out	4 x 4 x 1.5 / 2.0ml
Temp range (°C)	-20°C to +40°C
FAST cool button	Yes
Time control	Pulse, timed <100 min, or continuous
Time counting range	Selectable, at set speed or from starting
RCF/RPM conversion	Yes
Noise level	≤56 dB (dependent on rotor)
Acc. time to max. speed	≤17 sec
Dec. time from max. speed	≤15 sec
ACC/DEC ramps	9/10

Program memory	100
Parameters on display window	RPM(RCF), Operating Status, Door Open/Close, Min:Sec, Temp, (ACC), (DEC)
Display	Blue LCD
Rotor Identification	Automatic
Imbalance cutout	Yes
Safety lid lock	Yes
Lid drop protection	Yes
CE Mark	Yes
Power supply (V/Hz)	200V / 50~60Hz (110V optional)
Power requirement (VA)	2KVA
Dimension (W x D x H)	310 x 620 x 265mm
Weight without rotor	43kg

OCR-17-24

Fixed angle rotor of OCR-1730R for 24 x 1.5mL / 2.0mL microtubes.

45°, Hole diameter 11.1mm, Max. height for tube fit 52mm. Supplied with O-ring sealed.

**OCR-17-30**

Fixed angle rotor of OCR-1730R for 30 x 1.5mL / 2.0mL microtubes.

45°, Hole diameter 11.1mm, Max. height for tube fit 52mm. Supplied with O-ring sealed.

**OCR-17-18**

Fixed angle rotor of OCR-1730R for 18 x 1.5mL / 2.0mL microfilter tubes.

45°, Hole diameter 11.1mm, Max. height for tube fit 65mm. Supplied with O-ring sealed.

**OCR-17-5**

Fixed angle rotor of OCR-1730R for 12 x 5mL for screw and snap cap microtubes. 45°, Hole diameter 17mm, Max. height for tube fit 64mm. Supplied with O-ring sealed.

**OCR-17-PCR**

Fixed angle PCR-tube Rotor of OCR-1730R for 64 x 0.2µl PCR tubes or 8 rows of PCR strips.

45°, Hole diameter 6.5mm, Max. height for tube fit 16mm.

**OCR-17-D8**

Drum Rotor of OCR-1730R for 8 x 1.5mL / 2.0mL microtubes (buckets are not included) 90°, Hole diameter 11.1mm, Max. height for tube fit 50mm.

**OCR-17-D16**

Drum Rotor of OCR-1730R for 16 x 1.5mL / 2.0mL microtubes (buckets are not included) 90°, Hole diameter 11.1mm, Max. height for tube fit 43mm.



Ordering Information

Refrigerated Centrifuge

Cat No.	Description
OCR-1730R	Oxford Refrigerated Centrifuge. 17.000rpm / 27.237g, 220V
OCR-1730R-110	Oxford Refrigerated Centrifuge. 17.000rpm / 27.237g, 110V

Rotors and accessories for OCR-1730R

OCR-17-24	Fixed angle rotor of OCR-1730R for 24 1.5mL / 2.0mL microtubes
OCR-17-30	Fixed angle rotor of OCR-1730R for 30 1.5mL / 2.0mL microtubes
OCR-17-18	Fixed angle rotor of OCR-1730R for 18 microfilter tubes
OCR-17-5	Fixed angle rotor of OCR-1730R for 12 x 5mL screw and snap cap microtubes
OCR-17-PCR	Fixed angle PCR-tube Rotor of OCR-1730R for 64 PCR tubes or 8 rows of PCR strips
OCR-17-D8	Drum Rotor of OCR-1730R for 8 microtubes (buckets are not included)
OCR-17-D16	Drum Rotor of OCR-1730R for 16 microtubes (buckets are not included)

Buckets for the Rotors of OCR-1730R

OCR-17-B8	Single tube bucket Drum Rotor OCR-17-D8 (total 8 buckets are required)
OCR-17-B16	4-tube bucket Drum Rotor OCR-17-D16 (total 4 buckets are required)

Buckets for the Rotors of OCR-1730R

OCR-17-02	0.2 mL adaptor of microtube rotors
OCR-17-05	0.5 mL adaptor of microtube rotors