

Centrifuges

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OD-12 · OD-12R · OF-12R · OD-15 · OD-15R	05
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OF-17R	16
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Micro Centrifuges



CH27R
17,000 / 27,237 xg
30 x 1.5/2.0 ml



OXFORD LAB PRODUCTS refrigerated high-speed micro centrifuge, CH27R is a must-have for the experiments in molecular and cellular biology. It can accommodate up to 30 microtubes or 12 x 5 ml-tubes. With the most popular 24 hole micro-rotor, maximum 17,000 rpm (27,237xg) can be reached even at 4°C. Its powerful refrigeration system specifies the temperature range from -20°C to + 40°C and offers "FASTCOOL" function of cooling down to 4°C in 5 minutes. All rotor types have been extended to the new "Easy-Lock" lid, allowing easy and convenient rotor lid opening and closing. The Teflon-coated chamber of CH27R is more resistant to organic solvents, reactive or corrosive chemicals. The powerful and compact refrigerated micro centrifuge CH27R is one of the best products in the Oxford Lab Products portfolio. It will be a perfect tool to get the results you want in your laboratory.

► Applications

Molecular works of ethanol precipitation, phenol extraction, NA preparation, cell collection, spin-down of temperature sensitive reaction mixtures, etc.

CH27R

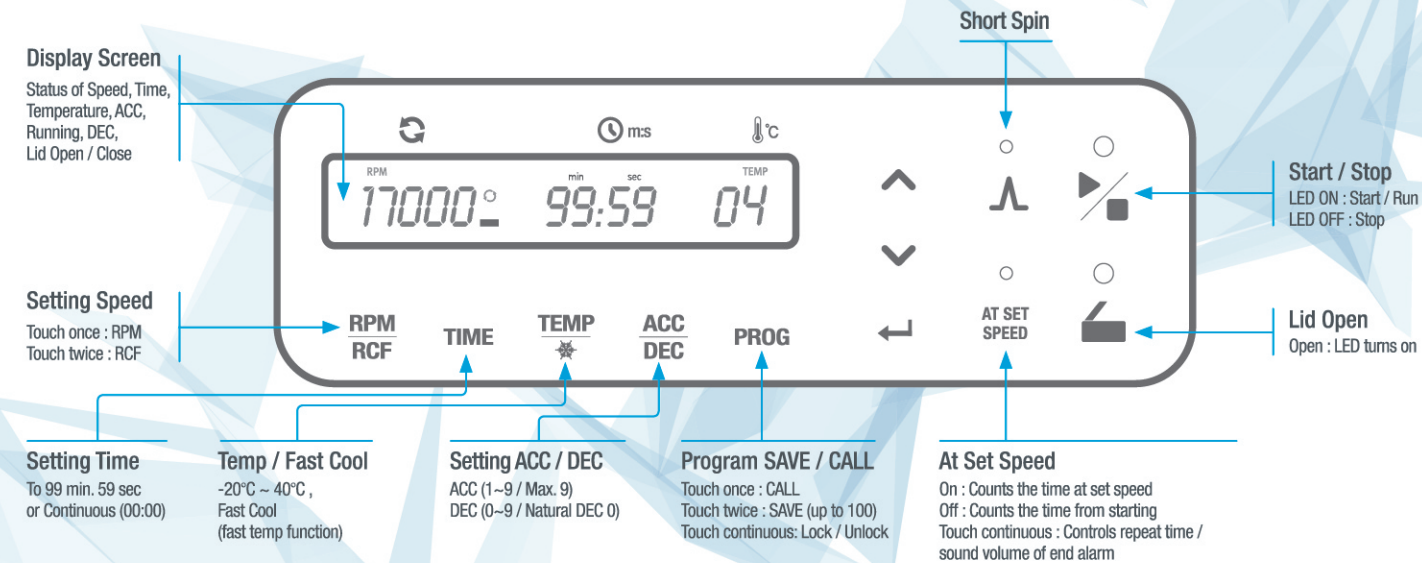
► Technical Specifications

Max. RPM/RCF	Fixed angle	17,000 / 27,237 xg	Parameters on display window	RPM (RCF), Oper Status, Lid Open/Close, Min:Sec, Temp, ACC, DEC
	Swing-out	13,000 / 16,343 xg	Display	Blue LCD
Max. capacity	Fixed angle	30 x 1.5/2.0 ml, 12 x 5.0 ml, 8 x 8-tube PCR strips	Automatic rotor identification	Yes
	Swing-out	16 x 1.5/2.0 ml	Imbalance cut-off	Yes
Temp. range (°C)		-20 to +40	Safety lid lock	Yes
FAST cool button		Yes	Lid drop protection	Yes
Time control		Pulse, timed < 100 min or continuous	Chamber material	SUS304/Teflon-coated
Time counting modes		Selectable,	Power supply	230 V, 50 Hz (AC 220-230 V, 50/60 Hz; 110 V optional)
		at set speed or from starting	Power requirement (kVA)	2.0
RPM/RCF conversion		Yes	Dimension (W x D x H, mm)	310 x 620 x 290
Noise level (dB)		~ 56	Weight without rotor (kg)	43
ACC/DEC (step or time)		9/10 steps (17/17 sec)	CE mark	Yes
Program memory		100	Cat. No.	CH27R

► Features

- The refrigerated microcentrifuge, CH27R is a "must-have" item for molecular and cellular lab works with max. speed of 17,000 rpm (27,237 xg)
- Maximum capacity for 12 x 5 ml tubes or 30 x 1.5/2.0 ml tubes or 18 microfilter tubes or 64 PCR tubes
- Fast cooling function to 4°C in 5 minutes for fast start up of cooled samples
- The compressor-off function when lid is open minimizes unnecessary cooling and frosting.
- Teflon coated rust-free chamber
- Very quiet operation at less than 56 dB allows for comfortable laboratory environment.
- Selectable time mode of "at set SPEED" for counting running time only when reached the set speed
- A separate "PULSE" key for quick spin
- Parameters can be changed during operation.
- Key lock function helps the set parameters secured during operation.
- Aerosol-tight, bio-seal Easy-Lock rotor with a set of O-rings

► Control Panel



CH27R



Fixed Angle Rotor, GRE-M-m2.0-24
24 x 1.5/2.0 ml
∠ 45°
Hole diameter (mm) : 11.1
Max. height for tube fit (mm) : 52

Tube			
Tube capacity (ml)	0.2	0.5	1.5/2.0
Adaptor			None
Cat No.	GAS-m0.2(2)	GAS-m0.5(2)	-
Adaptor bore (ΦxL, mm)	6.5 x 23	8 x 31	-
Radius (mm)	67	73	84.3
Max.RPM	17,000		
Max.RCF (g-force)	21,648	23,910	27,237



Fixed Angle Rotor, GRE-M-m2.0-30
30 x 1.5/2.0 ml
∠ 45°
Hole diameter (mm) : 11.1
Max. height for tube fit (mm) : 52

Tube			
Tube capacity (ml)	0.2	0.5	1.5/2.0
Adaptor			None
Cat No.	GAS-m0.2(2)	GAS-m0.5(2)	-
Adaptor bore (ΦxL, mm)	6.5 x 23	8 x 31	-
Radius (mm)	79	86	96.4
Max.RPM	14,000		
Max.RCF (g-force)	17,311	18,845	21,124



Fixed Angle Rotor, GRE-M-m2.0-18
18 x 1.5/2.0 ml
∠ 45°
Hole diameter (mm) : 11.1
Max. height for tube fit (mm) : 65

Tube				
Tube capacity (ml)	0.2	0.5	1.5/2.0	2 ml filter tube
Adaptor			None	None
Cat No.	GAS-m0.2(2)	GAS-m0.5(2)	-	-
Adaptor bore (ΦxL, mm)	6.5 x 23	8 x 31	-	-
Radius (mm)	57.8	63.8	75.1	64.2
Max.RPM	15,000			
Max.RCF (g-force)	14,540	16,049	18,891	16,150



Fixed Angle Rotor, GRE-M-s0.2-64
8 x 8-Tube PCR strips, 64 x 0.2 ml
∠ 45°
Hole diameter (mm) : 6.5
Max. height for tube fit (mm) : 16

Tube		
Tube capacity (ml)	0.2	8-Strip tube
Radius (mm)	1st : 58.8 / 2nd : 67.1	
Max.RPM	12,500	
Max.RCF (g-force)	1st : 10,237 / 2nd : 11,722	



Fixed Angle Rotor, GRE-M-m5.0-12
12 x 5.0 ml
∠ 45°
Hole diameter (mm) : 17
Max. height for tube fit (mm) : 68

Tube	
Tube capacity (ml)	5.0
Adaptor	None
Cat No.	-
Adaptor bore (ΦxL, mm)	-
Radius (mm)	91.3
Max.RPM	15,000
Max.RCF (g-force)	22,967



Swing-out Rotor, GRD-M-m2.0-8
8 x 1.5/2.0 ml
∠ 90°
Hole diameter (mm) : 11.1
Max. height for tube fit (mm) : 48

Tube			
Tube capacity (ml)	0.2	0.5	1.5/2.0
Adaptor			None
Cat No.	GAS-m0.2(2)	GAS-m0.5(2)	-
Adaptor bore (ΦxL, mm)	6.5 x 23	8 x 31	-
Radius (mm)	68.5	76.5	86.5
Max.RPM	13,000		
Max.RCF (g-force)	12,943	14,454	16,343



Swing-out Rotor, GRD-M-m2.0-16
16 x 1.5/2.0 ml
∠ 90°
Hole diameter (mm) : 11.1
Max. height for tube fit (mm) : 43

Tube			
Tube capacity (ml)	0.2	0.5	1.5/2.0
Adaptor			None
Cat No.	GAS-m0.2(2)	GAS-m0.5(2)	-
Adaptor bore (ΦxL, mm)	6.5 x 23	8 x 31	-
Radius (mm)	66	74	83
Max.RPM	13,000		
Max.RCF (g-force)	12,470	13,962	15,682