

❄️ Refrigerated

1580R • 1580

Multi-Purpose Centrifuge



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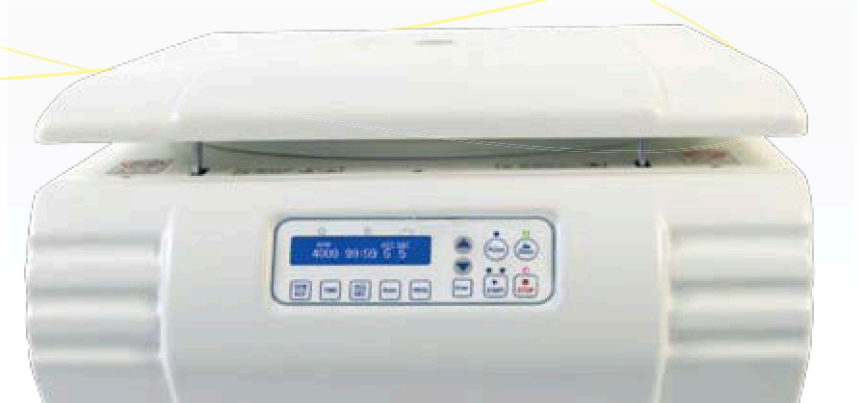


Features

- Multi-purpose high-speed centrifuge(1580R/refrigerated)
- Wide range of rotors for a variety of tubes including microtubes
- Temperature settings from -20°C to ambient
- “Fast Cool” function for rapid cooling
- Automatic identification of a rotor
- Automatic alarm system for imbalance, over-heat and over-speed
- 5 acceleration and 5 deceleration ramps for sensitive samples
- Program memory for up to 100 programs
- Automatic door release(1580)
- Pulse spin button

Technical Specifications

	1580R	1580
Max. RPM	15,000 RPM	
Max. RCF	25,910 x g	21,206 x g
Max. capacity	80 x 15 mL	
Control	Microprocessor controlled	
Temp. setting	-20°C to ambient	-
Run time	≤ 9 hour 59 min or continuous	≤ 99 min 59 secs or continuous
Acceleration levels	5	
Deceleration levels	5	
Program memory	100	
Rotor recognition	Automatic	
Power & Frequency	220 V, 50~60 Hz	
Dimension(W x D x H) mm	770 x 650 x 390	540 x 650 x 380
Weight without rotor	93 Kg	57 Kg
CE marking	Yes	
Cat. No.	7.647.518.201	7.647.518.201



Multi-Purpose Centrifuge

Rotors & Accessories



Swing rotors,
7.604.111.750
4 loadings
Angle : 90°



Round bucket,
7.604.111.850
Bucket bore(ΦxL)mm
: 99 x 101.5



Round bucket,
7.604.111.870
Bucket bore(ΦxL)mm
: 99 x 101.5



Bucket Cap,
7.604.111.870



Round bucket,
7.604.111.860
Bucket bore(ΦxL)mm
: 99 x 101.5



Microplate holder,
7.604.111.570
Bucket bore(wxdxh)mm
: 88 x 128.5 x 80



Bucket for blood bags
7.604.113.040
Bucket bore(ΦxL)mm
: 95 x 145

Tube													
Tube capacity(ml)	5	3	15	10	15 ml conical	50	50 ml conical	250	500	400	MTP	DWP	
Tube rack									None	None	None	None	
Cat. No.	7.604.112.090	7.604.112.150	7.604.112.120	7.604.112.180	7.604.112.210	7.604.112.250	7.604.112.270	-	-	-	-	-	
Rack Φ x L(mm)	13 x 85	13 x 58	17 x 85	16 x 85	17 x 85	29 x 87	29 x 88	62 x 87	-	-	-	-	
Rack capacity(ea/4)	24/96	19/76	21/84	14/56	7/28	5/20	1/4	1/4	-	-	4/16	1/4	
Max. RPM	4,000												
Max. RCF(g-force)											3,667		3,068
Radius(mm)											205		171.5



Swing rotors, 7.604.111.010
4 loadings
Angle : 90°



Rectangular bucket,
7.604.111.030
Bucket bore(wxdxh)mm : 99 x 99 x 98



Round bucket,
7.604.111.880
Bucket bore(ΦxL)mm : 99 x 101.5



Microplate holder,
7.604.111.560
Bucket bore(wxdxh)mm : 88 x 128.5 x 80

Tube													
Tube capacity(ml)	5	3	15	10	15 ml conical	50	50 ml conical	250	500	MTP	DWP		
Tube rack									None	None	None		
Cat. No.	7.604.111.400	7.604.111.430	7.604.111.460	7.604.111.490	7.604.111.520	7.604.111.550	-	-	-	-	-		
Rack Φ x L(mm)	13 x 85	13 x 56.5	17.2 x 85	17.5 x 85	29.5 x 85	62.5 x 90	-	-	-	-	-		
Rack capacity(ea/4)	30/120	20/80	16/64	8/32	5/20	1/4	1/4	4/16	1/4	-	-		
Max. RPM	3,600												
Max. RCF(g-force)											2,898		2,485
Radius(mm)											200		171.5



Swing rotor, 7.604.111.070
4 loadings
Angle : 90°



Rectangular bucket,
7.604.111.120
Bucket bore(wxdxh)mm : 86 x 70.3 x 98.5



Microplate holder,
7.604.111.550
Bucket bore(wxdxh)mm : 88 x 128.5 x 80

Tube													
Tube capacity(ml)	5	3	15	10	15 ml conical	50	50 ml conical	250	85	15	MTP	DWP	
Tube rack											None	None	
Cat. No.	7.603.111.110	7.603.111.140	7.603.111.170	7.603.111.200	7.603.111.230	7.603.111.260	7.604.111.852	-	-	-	-	-	
Rack Φ x L(mm)	13.5 x 80	13.5 x 58	17.5 x 90	17.5 x 90	30.2 x 90	30.5 x 90	62.5 x 90	38.5 x 90	17 x 90	-	-	-	
Rack capacity(ea/4)	12/48	12/48	12/48	9/36	4/16	3/12	1/4	2/8	4/16	1/4	-	-	
Max.rpm	4,000												
Max.rcf(g-force)											3,134		2,737
Radius(mm)											175.2		153

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Rotors & Accessories



Swing rotor, **7.604.111.040**
4 loadings
Angle : 90°



Microplate holder, **7.604.111.060**
Bucket bore(wxdxh)mm : 88 x 128.5 x 80



Angle rotor, **7.604.111.230**
24 tubes
Angle : 45°



Steel sleeves, **7.601.111.040**
Sleeve bore(Φ x h)mm : 18 x 87

Tube		
Tube capacity(mL)	MTP	DWP
Rack capacity(ea/4)	4/16	1/4
Max. RPM	4,200	
Max. RCF(g-force)	3,057	
Radius(mm)	155	

Tube						
Tube capacity(mL)	15	3	4	5	10	15 mL Conical
Adaptor	None				None	None
Cat. No.	-	7.601.113.030	7.601.113.035	7.601.113.040	-	-
Adaptor Φ x L(mm)	-	13 x 63	13 x 65	13 x 85	-	-
Max. RPM	4,000					
Max. RCF(g-force)	3,134	2,776	2,830	2,990	3,121	3,068
Radius(mm)	175.5	155.2	158.2	167.2	174.5	171.5



Fixed angle rotor, **7.604.111.170**
24 tubes
Angle : 45°



Fixed angle rotor, **7.604.111.200**
30 tubes
Angle : 45°

Tube			
Tube capacity(mL)	1.5/2.0	0.2	0.5
Adaptor	None		
Cat. No.	-	7.600.113.010	7.600.113.020
Adaptor Φ x L(mm)	-	6.5 x 23	8 x 31
Max. RPM of 1580MGR (24/30)	15,000/14,000		
Max. RPM of 1580MG (24/30)	15,000/12,000		
Max. RCF(g-force) of 1580MGR (24/30)	21,206/21,124	16,854/17,311	18,363/18,845
Max. RCF(g-force) of 1580MG (24/30)	21,206/15,520	16,854/12,718	18,363/13,385
Radius(mm) (24/30)	84.3/96.4	67/79	73/86



Fixed angle rotor, **7.604.111.410**
8 tubes
Angle : 34°

Hole(Φ x h)mm : 29.5 x 93.2

Tube				
Tube capacity(mL)	50	15	10	15 mL conical
Adaptor	None			
Cat. No.	-	7.601.113.041		7.604.113.042
Adaptor Φ x L(mm)	-	17 x 97		17 x 105
Max. RPM (MGR/MG)	15,000/12,000			
Max. RCF(g-force) (MGR/MG)	25,910/16,582	23,520/10,453	23,268/10,342	24,149/10,733
Radius(mm)	103	93.5	92.5	96



Fixed angle rotor, **7.604.111.110**
6 tubes
Angle : 34°

Hole(Φ x h)mm : 29.5 x 93.2



Fixed angle rotor, **7.604.111.090**
6 tubes
Angle : 25°

Hole(Φ x h)mm : 62 x 107

Tube						
Tube capacity(mL)	15	10	15 mL conical	50	50 mL conical	100
Adaptor						None
Cat. No.	7.601.113.043		7.601.113.044	7.604.113.045	7.604.113.046	-
Adaptor Φ x L(mm)	17 x 94		17 x 98	29 x 95	29.5 x 98	-
Max.rpm (MGR/MG)	12,000/10,000					
Max.rcf(g-force) (MGR/MG)	16,582/11,515	16,421/11,404	16,260/11,292	16,743/11,627	16,421/11,404	17,709/12,298
Radius(mm) (MGR/MG)	103	102	101	104	102	110

Tube	
Tube capacity(mL)	250
Max. RPM (MGR/MG)	10,000/8,000
Max. RCF(g-force) (MGR/MG)	15,876/10,160
Radius(mm)	142