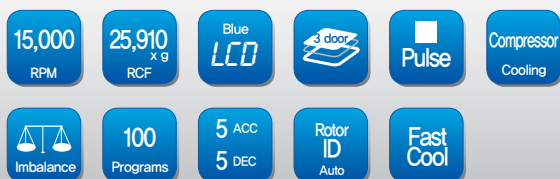


❄️ Refrigerated

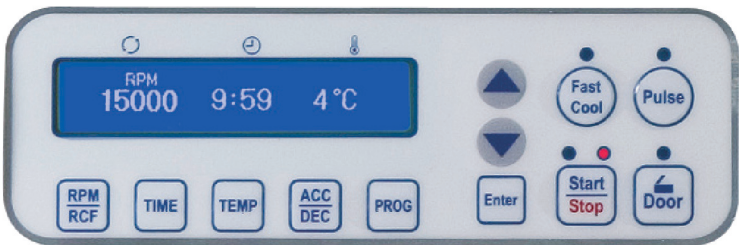
1580R**High Speed, Multi-Purpose Refrigerated Centrifuge for up to 15,000 g**

Ideal for the centrifugation with various sample containers from microtubes to 750 mL bottles, blood bags, and microplates



- Bench top, high capacity multi-purpose centrifuge with automatic door release
- Max. 15,000 rpm/ 25,910 g, Time setting to 9 hr 59 min or continuous, Temp setting to -20°C
- Useful for a wide range of sample containers from microtubes to 750ml bottles, blood bags, and microplates
- Fast Cool function (reach 4°C within 5 min)
- "Pulse" key for quick runs
- Automatic conversion of RPM/RCF value
- 5 acceleration ramps and 5 deceleration ramps
- LCD display of speed, remaining time, and temperature
- Program memory for up to 100
- Automatic rotor identification when spinning starts to avoid unacceptable operation
- Automatic recognition and alarms for imbalance, over-speed and over-heat
- Three layered safe door with auto-lock function
- Compressor-off when the door is open to minimize frosting and rust
- Environment friendly R404a refrigerant
- Many fixed angle rotors, swing rotors and buckets, and adaptors available

Display and Control Interface



Technical Specifications

Max. capacity	Fixed Angle Rotor	Swing Rotor
	30 x 1.5/2.0 ml	4 x 20 x 15 ml
	24 x 15 ml	4 x 8 x 50 ml
	8 x 50 ml	4 x 2 x 85 ml
	6 x 85 ml	4 x 250 ml
	6 x 250 ml	4 x 400 ml blood bag
Max. RPM/RCF	15,000/25,910	4,000/3,667
Temp. range	-20°C to 40°C	
FAST cool button	Yes	
Time control	Pulse, timed < 10 hr, or continuous	
RCF/RPM conversion	Yes	
Noise level (dependent on rotor)	≤60 dB	
Acceleration ramp	5	
Deceleration ramp	5	

Program memory	100
Rotor Identification	Automatic
Imbalance cutout	Yes
Display	Blue LCD
Safety lid lock	Yes
Lid drop protection	Yes
Power supply	220V/50~60Hz (110V optional)
Power requirement	2.5 KVA
Dimension (W x D x H)	770 x 650 x 390 mm
Weight without rotor	93 kg
CE mark	Yes
Cat. No.	7,647,518,201



Rotors & Accessories



Swing rotors, 7,604,111,750
 4 loadings
 Angle : 90°
 Hole diameter (Φ, mm) : 99
 Max height for tube fit (mm) : 142



Round bucket,
 7,604,111,850
 Bucket bore(ΦxL)mm
 : 99 x 142



Round bucket,
 7,604,111,870
 Bucket bore(ΦxL)mm
 : 99 x 130



Bucket Cap,
 7,604,112,280



Round bucket,
 7,604,111,880
 Bucket bore(ΦxL)mm
 : 70 x 165



Microplate holder,
 7,604,111,570
 Bucket bore(wxdxh)mm
 : 88 x 128.5 x 80



Bucket for blood bags
 7,604,111,009
 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°
 Area dimension (mm) : 99 x 99
 Max height for tube fit (mm) : 135



Rectangular bucket,
 7,604,111,030
 Bucket bore(wxdxh)mm
 : 99 x 99 x 135



Round bucket,
 7,604,111,860
 Bucket bore(ΦxL)mm
 : 70 x 165



Microplate holder,
 7,604,111,560
 Bucket bore(wxdxh)mm
 : 88 x 128.5 x 80



Bucket for blood bags
 7,604,111,760
 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.	7,604,111,400	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°
 Area dimension (mm) : 86 x 70.3
 Max height for tube fit (mm) : 125



Rectangular bucket,
7,604,111,120
 Bucket bore(wxdxh)mm : 86 x 70.3 x 125



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	



Fixed angle rotor,
7,604,111,110
 6 x 85 ml
 Angle : 34°
 Hole diameter (Φ, mm) : 38.5
 Max height for tube fit (mm) : 125

Tube						
Tube capacity(ml)	15	10	15 ml conical	50	50 ml conical	85
Adaptor						None
Cat. No.	7,604,113,010		7,604,113,020	7,604,113,030	7,604,113,040	-
Adaptor Φ x L(mm)	17 x 94		17 x 98	29 x 95	29.5 x 98	-
Max.rpm	12,000					
Max.rcf(g-force)	16,582	16,421	16,260	16,743	16,421	17,709
Radius(mm)	103	102	101	104	102	110



Fixed angle rotor,
7,604,111,410
 8 x 50 ml
 Angle : 34°
 Hole diameter (Φ, mm) : 29.5
 Max height for tube fit (mm) : 120

Tube				
Tube capacity(ml)	50	15	10	15 ml conical
Adaptor	None			
Cat. No.	-	7,604,113,050		7,604,113,060
Adaptor Φ x L(mm)	-	17 x 97		17 x 105
Max. RPM	15,000			
Max. RCF(g-force)	25,910	23,520	23,268	24,149
Radius(mm)	103	93.5	92.5	96



Fixed angle rotor,
7,604,111,090
6 x 250 mL
Angle : 25°
Hole diameter (Φ, mm) : 62
Max height for tube fit (mm) : 130

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



Angle rotor, **7,604,111,230**
24 x 15 mL
Angle : 45°
Hole diameter (Φ, mm) : 18
Max height for tube fit (mm) : 135 (125 for conical)



Steel sleeves, **7,601,111,040**
Sleeve bore(Φ x h)mm : 18 x 135
Sleeve bore(Φ x h)mm : 18 x 125(15 mL Conical)

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 x 1.5/2.0 mL
Angle : 45°
Hole diameter (Φ, mm) : 11.1
Max height for tube fit (mm) : 56



Fixed angle rotor,
7,604,111,200
30 x 1.5/2.0 mL
Angle : 45°
Hole diameter (Φ, mm) : 11.1
Max height for tube fit (mm) : 56

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 (24/30)	15,000/14,000		
Max. RCF(g-force) (24/30)	21,206/21,124	16,854/17,311	18,363/18,845
Radius(mm) (24/30)	84.3/96.4	67/79	73/86