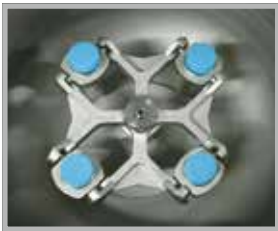


Clinical Centrifuge

Fleta 5

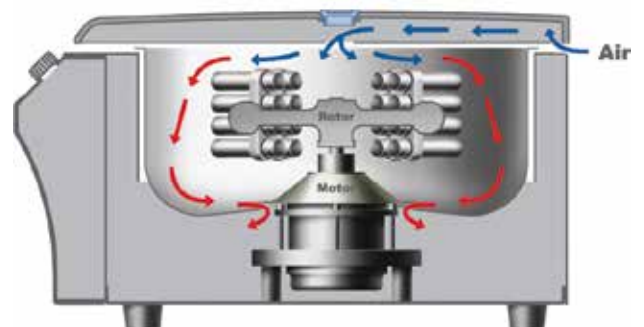
- Benchtop centrifuge for performing daily routine tasks in hospital, university, and laboratory
- Optimized swing-out separation up to 5,500 rpm (6,200 xg)
- Maximized flexibility with large assorted accessories for using tubes from micro to 50 mL
- Simple knob control for speed and time
- Rapid acceleration and deceleration (20/20 sec)
- Very quiet and static operation with BLDC motor
- Lid drop protected construction and fine control of lid opening
- Surface anodized aluminum chamber
- Robust design for daily use



HSR-4S / HTB50c-4



HSM-2



Unique air flow structure for effective noise reduction and excellent cooling

Technical Specifications

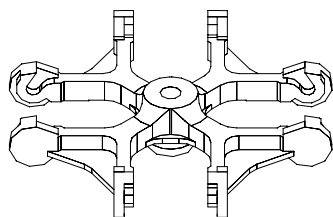
		Fleta 5 / *Fleta50P
Speed RCF (xg)	Max. RPM / Fixed angle	-
	Max. RCF / Fixed angle	-
	Max. RPM / Swing-out	5,500 rpm
	Max. RCF / Swing-out	6,230 xg
Capacity	Max. capacity / Fixed angle	-
	Max. capacity / Swing-out	32 x 15 mL
ACC/DEC	ACC/DEC ramps	9/10 steps
	Two step Deceleration	-
	Acc. time to max. speed	20/80 sec
	Dec. time from max. speed	26/82 sec
Time control		< 100 hr, continuous
Program memory		100
Noise level		≤ 65 dB
Imbalance cutoff		Yes
Rotor identification		manual
Dimension (W x D x H, mm)		570 x 475 x 325
Weight without rotor		37 kg
Power consumption		500 VA
Power input (V, Hz)		210~240 V, 50/60 Hz (110V optional)
Cat. No.		FL-5

* Registered as medical device at MFDS¹⁾

¹⁾ MFDS : Ministry of Food and Drug Safety (KOREA)

Swing-out Rotors for Fleta 5

HSR-4S

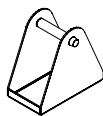


∠90°

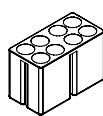
Max. RPM : 5,500 rpm

Size (ø x H) : Ø235.8 x 42 mm

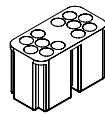
Bucket/Adaptor for HSR-4S



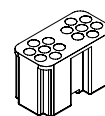
Rack Holder
HBTM



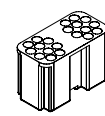
Adaptor
TR15-8



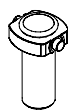
Adaptor
TR10-12



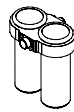
Adaptor
TR5-14



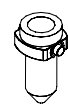
Adaptor
TR3-20



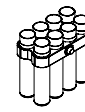
Bucket
HBT50-1



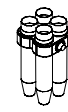
Bucket
HBT50-2



Bucket
HBT50c-1



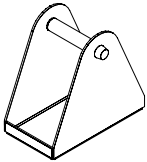


















Bucket
HBT15-8



Bucket
HBT15c-4

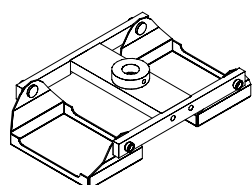
* TR series adaptors described above are used in HBTM bucket.

Buckets and Adaptors of HSR-4S

Bucket	Required Adaptor	Tube Capacity Bottom Type	Tube per Adaptor / Rotor	Bore (Ø x L, mm)	Max. height for tube fit (mm)	Max. RPM (rpm) Max. RCF (xg)
HBTM  Radius : 164.1 mm MTP holder size (w x d x L, mm) : 90.3 x 47.2 x 57.2 Max. height for tube fit : 67.5 mm	TR15-8 	 15(16) mL Round	8 / 32	18 x 55	132.9	3,000 1,651
	TR10-12 	 10 mL Round	12 / 48	13 x 55	132.9	3,000 1,651
	TR5-14 	 5 mL Round	14 / 56	11 x 55	132.9	3,000 1,651
	TR3-20 	 3 mL Round	20 / 80	10 x 55	131.2	3,000 1,651
HBT50-1 Radius : 181.3 mm Bucket bore (ø/H, mm) : 30 x 99 Max. height for tube fit : 153.2 mm		 50 mL Round	1 / 4	30 x 99	154.3	5,500 6,131
HBT50-2 Radius : 181.3 mm Bucket bore (ø/H, mm) : 30 x 99 Max. height for tube fit : 153.2 mm		 50 mL Round	2 / 8	30 x 99	154.3	4,500 4,104
HBT50c-1 Radius : 184.2 mm Bucket bore (ø/H, mm) : 31.5 x 116 Max. height for tube fit : 144 mm		 50 mL Conical	1 / 4	31.5 x 115.9	143.4	5,500 6,230
HBT15-8 Radius : 162.7 mm Bucket bore (ø/H, mm) : 18 x 89.5 Max. height for tube fit : 125.3 mm		 15(16) mL Round	8 / 32	18 x 89.5	138.2	4,000 2,910
HBT15c-4 Radius : 172.7 mm Bucket bore (ø/H, mm) : 18 x 99.5 Max. height for tube fit : 143 mm		 15 mL Conical	4 / 16	18 x 99.5	147.6	4,000 3,089

* Radius : From the center of the rotor to the inner end of tube carrier.

HSM-2



$\angle 90^\circ$
 Max. RPM : 2,000 rpm
 MTP holder size (W x D x H) : 174 x 212 x 20 mm
 Radius : 139 mm
 Max. height for tube fit : 127.3 x 88 x 110 mm

Tube Capacity	Tube per Adaptor / Rotor	Max. RPM (rpm) Max. RCF (xg)
MTP	1 / 2	2,000 622
Cell Culture		
DWP		