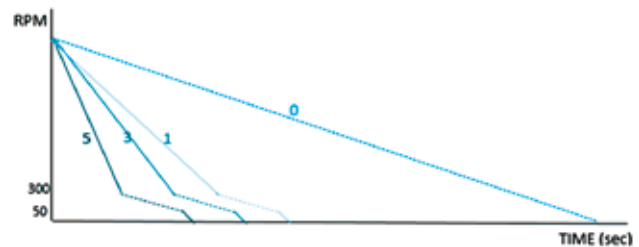


### Clinical Centrifuge

# Fleta 4

- Multi-purpose, small benchtop centrifuge generally for routine clinical work
- Fixed angle rotor (up to 24 tubes per run) for chemical analysis of urine, blood and biological samples
- Well noted for stable separation of blood with swing-out buckets for syringe type
- Two-steps deceleration to maintain finely separated sample
- Rapid acceleration and deceleration (20/20 sec)
- Easy to read graphic LCD display
- Surface anodized aluminum chamber
- Compact and light-weighted design
- Easy to clean specially coated glossy surface



Deceleration profile



S85-4



S50-6

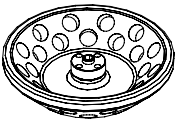







## Technical Specifications

|                           |                             | Fleta 4 / *Fleta 40P                     |
|---------------------------|-----------------------------|--|
| Speed<br>RCF (xg)         | Max. RPM / Fixed angle      | 4,000 rpm                                |
|                           | Max. RCF / Fixed angle      | 2,635 xg                                 |
|                           | Max. RPM / Swing-out        | 4,000 rpm                                |
|                           | Max. RCF / Swing-out        | 3,243 xg                                 |
| Capacity                  | Max. capacity / Fixed angle | 24 x 15 mL                               |
|                           | Max. capacity / Swing-out   | 6 x 50 mL, 12 x 15 mL conical, 4 x 85 mL |
| ACC/DEC                   | ACC/DEC ramps               | 5/6 steps                                |
|                           | Two step Deceleration       | Yes                                      |
|                           | Acc. time to max. speed     | 35/110 sec                               |
|                           | Dec. time from max. speed   | 38/110 sec                               |
| Time control              |                             | < 100 min, pulse, continuous             |
| Program memory            |                             | 10                                       |
| Noise level               |                             | < 60 dB                                  |
| Imbalance cutoff          |                             | Yes                                      |
| Rotor identification      |                             | manual                                   |
| Dimension (W x D x H, mm) |                             | 448.5 x 531 x 286                        |
| Weight without rotor      |                             | 25 kg                                    |
| Power consumption         |                             | 500 VA                                   |
| Power input (V, Hz)       |                             | 210~240 V, 50/60 Hz (110V optional)      |
| Cat. No.                  |                             | FL-4                                     |

\* Registered as medical device at MFDS<sup>1)</sup>

<sup>1)</sup> MFDS : Ministry of Food and Drug Safety (KOREA)

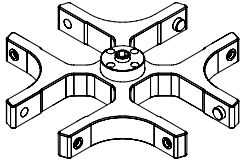
## Fixed Angle Rotors for Fleta 4

| Rotor  | Tube Capacity<br>Bottom Type                               | Required<br>Sleeve (Bore)  | Required<br>Adaptor for<br>Blood tube  | Bore Ø x L (mm)<br>Radius (mm) | Max. RPM (rpm)<br>Max. RCF (xg) |
|--|--|--|--|--------------------------------|---------------------------------|
| <b>AL15-24</b><br><br>Hole angle : $\angle 45^\circ$<br>Max. Capacity : 24 x 15 mL<br>Size (ø x H) : 197 x<br>Max. height for tube fit : 143.3 mm       | 15 mL<br>Round/Conical<br>$\phi 13, \phi 16$<br>Blood tube | <br><b>TR15(15)</b><br><b>18 x 94.5</b> | <br>TR3(15) | 13.5 x 61<br>147.3             | 4,000<br>2,635                  |
|  |  |  | <br>TR5(15) | 13.5 x 85<br>147.3             |                                 |
| <b>AL15-12</b><br><br>Hole angle : $\angle 45^\circ$<br>Max. Capacity : 12 x 15 mL<br>Dim. ø x H : 164.6 x 42.8 mm<br>Max. height for tube fit : 134 mm | 15 mL<br>Round/Conical<br>$\phi 13, \phi 16$<br>Blood tube | <br><b>TR15(15)</b><br><b>18 x 94.5</b> | <br>TR3(15) | 13.5 x 61<br>133.9             | 4,000<br>2,395                  |
|  |  |  | <br>TR5(15) | 13.5 x 85<br>133.9             |                                 |

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

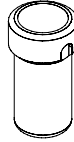
### Swing-out Rotors for Fleta 4

#### S85-4



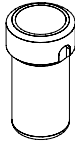









∠90°  
 Max. RPM : 4,000 rpm  
 Size (ø x H) : Ø230 x 36 mm

#### Bucket for S85-4



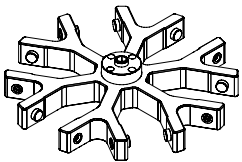
Bucket  
**B85**

#### Buckets and Adaptors of S85-4

| Bucket   | Required Adaptor  | Tube Capacity<br>Bottom Type   | Tube per<br>Adaptor / Rotor | Bore<br>(Ø x L, mm) | Max. height<br>for tube fit (mm) | Max. RPM (rpm)<br>Max. RCF (xg) |
|--|---|--|-----------------------------|---------------------|----------------------------------|---------------------------------|
| <br>Radius(mm): 172.6<br>Bucket bore (ø x L, mm) : 38.5 x 88.5<br>Max. height for tube fit (mm) : 142.5 | -   |  85 mL<br>Round     | 1 / 4                       | 38.5 x 88.5         | 142.5                            | 4,000<br>3,087                  |
|  | TR50(85)     |  50 mL<br>Round     | 1 / 4                       | 29 x 95             | 142.8                            | 4,000<br>3,001                  |
|  | TR50c(85)    |  50 mL<br>Conical   | 1 / 4                       | 29.5 x 100          | 142.7                            | 4,000<br>3,087                  |
|  | TR15(85)    |  15 mL<br>Round    | 1 / 4                       | 17 x 94             | 142.8                            | 4,000<br>2,984                  |
|  | TR15c(85)  |  15 mL<br>Conical | 1 / 4                       | 17 x 100            | 146.8                            | 4,000<br>3,087                  |

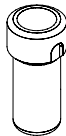
\* Radius : From the center of the rotor to the inner end of tube carrier.

#### S50-6

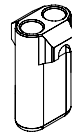


∠90°  
 Max. RPM : 4,000 rpm

#### Bucket for S50-6

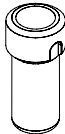







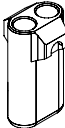



Bucket  
**B50**



Bucket  
**B15c-2**

#### Buckets and Adaptors of S50-6

| Bucket   | Required Adaptor  | Tube Capacity<br>Bottom Type   | Tube per<br>Adaptor / Rotor | Bore<br>(Ø x L, mm) | Max. height<br>for tube fit (mm) | Max. RPM (rpm)<br>Max. RCF (xg) |
|--|---|--|-----------------------------|---------------------|----------------------------------|---------------------------------|
| <br>Radius : 181.3 mm<br>Bucket bore (ø x L, mm) : 30.3 x 93.5<br>Max. height for tube fit (mm) : 145.7 | -   |  50 mL<br>Round     | 1 / 6                       | 30 x 93.5           | 145.7                            | 4,000<br>3,243                  |
|  | TR50c(50)  |  50 mL<br>Conical   | 1 / 6                       |                     | 126.5                            |                                 |
|  | TR25(50)   |  25 mL<br>Round     | 1 / 6                       | 20 x 87             | 137.2                            |                                 |
|  | TR15(50)   |  15(16) mL<br>Round | 1 / 6                       | 18 x 87             | 141.5                            |                                 |
| <br>Radius : 165.8 mm   | -   |  15 mL<br>Conical   | 2 / 12                      | 17 x 86.5           | 138.7                            | 4,000<br>2,966                  |

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