1-28

Beckman Coulter High-Performance Centrifuges

JLA-10.500 JLA-10.500

Axis of Rotation

\[ r_{\text{max}} \text{(54 mm)} \]
\[ r_{\text{min}} \text{(110 mm)} \]
\[ r_{\text{max}} \text{(166 mm)} \]

**Fixed-Angle Rotor, Aluminum**

Major applications: Large-volume for initial processing of bacteria or other cells from fermentors, clearing cell debris from homogenates, or pelleting subcellular organelles and protein precipitates.

<table>
<thead>
<tr>
<th>Max. RPM</th>
<th>Max. ( g )</th>
<th>( k ) Factor</th>
<th>Number of Tubes</th>
<th>Volume/Size</th>
<th>Rotor Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 000</td>
<td>18 600</td>
<td>2 840</td>
<td>6 x 500 mL</td>
<td>69 x 160 mm</td>
<td>3 L</td>
</tr>
</tbody>
</table>

For use in Avanti® J Series and J2 Series centrifuges.


### Tubes and Bottles

#### Bottles with Cap Assemblies

<table>
<thead>
<tr>
<th>Tube Style/Material</th>
<th>Nominal Volume per Tube (mL)</th>
<th>Part No.</th>
<th>Quantity</th>
<th>Size (mm)</th>
<th>Required Adapters</th>
<th>Tubes per Adapter</th>
<th>g-Force</th>
<th>( k ) Factor</th>
<th>Maximum Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyallomer</td>
<td>50.0</td>
<td>357001</td>
<td>6</td>
<td>29 x 104</td>
<td>356996</td>
<td>1</td>
<td>12 000</td>
<td>2 840</td>
<td>10 000</td>
</tr>
<tr>
<td>Polycarbonate</td>
<td>50.0</td>
<td>357000</td>
<td>6</td>
<td>29 x 104</td>
<td>356996</td>
<td>1</td>
<td>18 600</td>
<td>2 840</td>
<td>10 000</td>
</tr>
<tr>
<td></td>
<td>500.0</td>
<td>361690</td>
<td>6</td>
<td>62 x 160</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wide-mouth Polycarbonate</td>
<td>250.0</td>
<td>356013</td>
<td>6</td>
<td>62 x 122</td>
<td>362750</td>
<td>1</td>
<td>17 700</td>
<td>2 840</td>
<td>10 000</td>
</tr>
<tr>
<td>Polypropylene</td>
<td>500.0</td>
<td>361691</td>
<td>6</td>
<td>62 x 160</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wide-mouth Polypropylene</td>
<td>250.0</td>
<td>356011</td>
<td>6</td>
<td>62 x 122</td>
<td>362750</td>
<td>1</td>
<td>17 700</td>
<td>2 840</td>
<td>10 000</td>
</tr>
</tbody>
</table>

#### Bottles with Screw Caps

<table>
<thead>
<tr>
<th>Tube Style/Material</th>
<th>Nominal Volume per Tube (mL)</th>
<th>Part No.</th>
<th>Quantity</th>
<th>Size (mm)</th>
<th>Required Adapters</th>
<th>Tubes per Adapter</th>
<th>g-Force</th>
<th>( k ) Factor</th>
<th>Maximum Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyallomer</td>
<td>50.0</td>
<td>357003</td>
<td>25</td>
<td>29 x 104</td>
<td>356996</td>
<td>1</td>
<td>12 000</td>
<td>2 840</td>
<td>10 000</td>
</tr>
<tr>
<td>Polycarbonate</td>
<td>50.0</td>
<td>357002</td>
<td>25</td>
<td>29 x 104</td>
<td>356996</td>
<td>1</td>
<td>12 000</td>
<td>2 840</td>
<td>10 000</td>
</tr>
</tbody>
</table>

#### Tubes with Snap-On Caps

<table>
<thead>
<tr>
<th>Tube Style/Material</th>
<th>Nominal Volume per Tube (mL)</th>
<th>Part No.</th>
<th>Quantity</th>
<th>Size (mm)</th>
<th>Required Adapters</th>
<th>Tubes per Adapter</th>
<th>g-Force</th>
<th>( k ) Factor</th>
<th>Maximum Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polypropylene</td>
<td>50.0</td>
<td>357005</td>
<td>25</td>
<td>29 x 104</td>
<td>356996</td>
<td>1</td>
<td>12 000</td>
<td>2 840</td>
<td>10 000</td>
</tr>
<tr>
<td>Polycarbonate</td>
<td>50.0</td>
<td>363664</td>
<td>25</td>
<td>29 x 104</td>
<td>356996</td>
<td>1</td>
<td>12 000</td>
<td>2 840</td>
<td>10 000</td>
</tr>
</tbody>
</table>

#### Open-Top Tubes

<table>
<thead>
<tr>
<th>Tube Style/Material</th>
<th>Nominal Volume per Tube (mL)</th>
<th>Part No.</th>
<th>Quantity</th>
<th>Size (mm)</th>
<th>Required Adapters</th>
<th>Tubes per Adapter</th>
<th>g-Force</th>
<th>( k ) Factor</th>
<th>Maximum Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycarbonate</td>
<td>50.0</td>
<td>363647</td>
<td>25</td>
<td>29 x 104</td>
<td>356996</td>
<td>1</td>
<td>12 000</td>
<td>2 840</td>
<td>10 000</td>
</tr>
<tr>
<td>Polypropylene</td>
<td>50.0</td>
<td>357007</td>
<td>25</td>
<td>29 x 104</td>
<td>356996</td>
<td>1</td>
<td>12 000</td>
<td>2 840</td>
<td>10 000</td>
</tr>
</tbody>
</table>

#### BioVials

<table>
<thead>
<tr>
<th>Tube Style/Material</th>
<th>Nominal Volume per Tube (mL)</th>
<th>Part No.</th>
<th>Quantity</th>
<th>Size (mm)</th>
<th>Required Adapters</th>
<th>Tubes per Adapter</th>
<th>g-Force</th>
<th>( k ) Factor</th>
<th>Maximum Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polypropylene</td>
<td>4.0</td>
<td>566353</td>
<td>1000</td>
<td>14 x 55</td>
<td>362750/342098*</td>
<td>9</td>
<td>-------</td>
<td></td>
<td>10 000</td>
</tr>
</tbody>
</table>

* BioVials require adapters P/N 362750 AND 342098 to run in the JLA-10.500. Two adapters P/N 342098 can be double-stacked inside of one adapter P/N 362750 per rotor cavity if greater capacity is desired.

§ This rotor was tested to demonstrate containment of microbiological aerosols under normal operating conditions of the associated Beckman Coulter centrifuge, when used and maintained as instructed. Validation of microbiological containment was done at an independent, third-party facility (CAMR, Porton Down, UK or USAMRIID, Ft. Detrick, MD, USA). Improper use or maintenance may affect seal integrity and, thus, containment.

### Rotor Replacement Parts

- 363334 Rotor Lid Assembly
- 360828 Cannisters (set of 2 with 2 cannister closures)
- 360842 Cannister Closure Assembly (1)
- 360848 O-ring for Cannister Closure (set of 12)
- 363335 Cannister Rack
- 360834 Cannister Sleeve Washer

### Adapters

See chart on page 2–6 for adapters used with non-Beckman Coulter tubes and bottles.

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