
Ensure proper draw volume by holding tube up to this guide.

Sufficient volume achieved if blood drawn falls within the dashed minimum and maximum fill lines illustrated on the tubes pictured to the right.

Note: The quantity of blood drawn into evacuated tubes varies with altitude, ambient temperature, barometric pressure, tube age, venous pressure and filling technique.

Minimizing Preanalytical Variables for Coagulation Tests

- Assemble needle in holder; always fully seat and hold a citrate tube on the back end of the needle while filling.
- Allow the tube to fill until the vacuum is exhausted and blood flow ceases.
- A discard tube (without additives) must be used if only a citrate tube is to be drawn using a winged blood collection set. It is important to remove the air from the blood collection set to insure the proper blood volume is obtained in the coag tube.
- Do not fill tubes from other tubes or combine two partially filled citrate tubes.
- If the specimen is drawn with a syringe, do not fill the BD Vacutainer™ tube beyond the level as illustrated on the reverse side of this guide. Allow the tube to draw the blood from the syringe using a BD Blood Transfer Device if available. Do not force blood into tube.
- Immediately after draw, gently invert tube 3 to 4 times. Do not shake.

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Size</th>
<th>Draw</th>
<th>Citrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>363083</td>
<td>13x75mm</td>
<td>2.7mL</td>
<td>3.2% (0.109M)</td>
</tr>
<tr>
<td>363080</td>
<td>13x75mm</td>
<td>1.8mL</td>
<td>3.2% (0.109M)</td>
</tr>
</tbody>
</table>

BD Vacutainer Technical Services: 1.800.631.0174
www.bd.com/vacutainer