Serum vs. plasma

Although it is often advisable to use a plasma tube because of the short TAT, it should be noted that plasma is not suited to determining all laboratory parameters due to the presence of anticoagulants. The use of serum is essential in some cases.

The new VACUETTE® Serum Fast tube combines the QUALITY OF SERUM with the SPEED OF PLASMA.
Time is of the essence when it comes to accurate and fast blood diagnoses for treating patients. Fast coagulation following blood collection allows crucial minutes to be saved and also has the benefit of making laboratory work more efficient.

The **VACUETTE® CAT Serum Fast tube** combines the speed of a plasma tube with the properties of serum.

**Ready for analysis in just 10-15 minutes**

The inside of the tube wall is spray-coated with a BCA thrombin additive mixture, which accelerates the coagulation process. With the **VACUETTE® CAT Serum Fast tube**, the total processing time is just 10 minutes, compared to 40 minutes with conventional serum tubes, enabling easy and effective improvement of the turnaround time (TAT).

The tube contains a gel that forms a stable barrier between the serum and the cellular components of the whole blood after centrifugation.

**Turnaround Time**

MAX. 15 MIN

**COAGULATION**

**CENTRIFUGATION**

**BENEFITS AT A GLANCE**

- Shorter preanalytical process
- Improved turnaround time
- Blood collection can be performed shortly before transport of the blood samples
- Quicker lab results with on-site analysis

**Item overview**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Nom. Vol.</th>
<th>Cap Colour</th>
<th>Ring Colour</th>
<th>Tube Size</th>
<th>Description</th>
<th>Inner</th>
<th>Outer</th>
</tr>
</thead>
<tbody>
<tr>
<td>454681</td>
<td>3.5ml</td>
<td>orange</td>
<td>yellow</td>
<td>13 x 75</td>
<td>CAT Serum Fast Separator - Non-ridged (pull cap)</td>
<td>50 pcs.</td>
<td>1200 pcs.</td>
</tr>
<tr>
<td>456310</td>
<td>5ml</td>
<td>orange</td>
<td>yellow</td>
<td>13 x 100</td>
<td>CAT Serum Fast Separator</td>
<td>50 pcs.</td>
<td>1200 pcs.</td>
</tr>
</tbody>
</table>

**References:**

1. Depending on the centrifugation conditions used

**Easy-to-mix sample**

The sample of whole blood is fully mixed with the additive by inverting the tube 5-10 times.

**Shatterproof PET tube**

In challenging circumstances, a tube may occasionally slip out of the user’s hand. **VACUETTE® CAT Serum Fast tubes** are made of the familiar shatterproof PET. They use proven vacuum technology and have a safety cap that is easy to open. This enables hygienic working procedures without the risk of splatters, which can occur with standard rubber stoppers.

**Centrifugation recommendation**

Greiner Bio-One recommends the following centrifugation conditions for serum collection:

- 5 min at 3000g
- 10 min at 1800g
- 20°C

**NOTE:**

- **Turnaround Time** refers to the maximum time required for the complete process from blood collection to ready for analysis.
- **Centrifugation** refers to the process used to separate the serum from the cellular components of the blood.
- **References** provide additional information on the use of anticoagulants and optimal centrifugation conditions.