




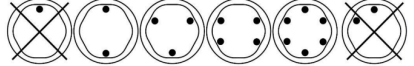




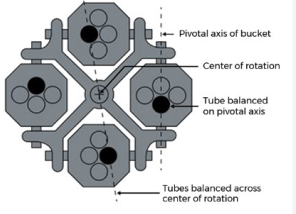


Serum Tube type	Colour top	Clotting time	Speed (RPM) *	Speed (RCF)*	Time (Minutes)	Comments
Gold (SST)		30 minutes	2800 - 3200	1100 - 1300	10 minutes	<ul style="list-style-type: none"> <li>Allow samples to clot upright to avoid fibrin strands that can attach to the top of the tube and contaminate samples post separation.</li> <li>Visually inspect serum samples for full clot retraction prior to centrifugation by inverting samples</li> <li>Centrifuge all samples as soon as possible after recommended clotting time / within 2 hours of collection</li> <li>Investigate reasons for samples that do not clot within allotted timeframe.</li> <li>Microtainer tubes should be placed inside an empty red top/ aliquot tube prior to centrifugation</li> </ul>
Tiger top		30 minutes	2800 - 3200	1100 - 1300	10 minutes	
Red		60 minutes	2800 - 3200	1100 - 1300	10 minutes	
Gold Microtainer (gel / no-gel)		30 minutes	2800 - 3200	1100 - 1300	10 minutes	
Red Microtainer		60 minutes	2800 - 3200	1100 - 1300	10 minutes	

Plasma Tube type	Colour top	Speed (RPMs) *	Speed (RCF)*	Time (Minutes)	Comments
Li Heparin (PST) (Light green / gel)		2800 - 3200	1100 - 1300	10 minutes	<ul style="list-style-type: none"> <li>Centrifuge all samples as soon as possible and ideally separate within 30 minutes of collection to avoid glycolysis of sample</li> <li>Following LIM instructions for plasma separation and storage</li> <li>Microtainer tubes should be placed inside an empty red top/ aliquot tube prior to centrifugation</li> </ul>
Li Heparin (Dark green no gel)		2800 - 3200	1100 - 1300	10 minutes	
Green Microtainer (gel / no-gel)		2800 - 3200	1100 - 1300	10 minutes	
Grey		2800 - 3200	1100 - 1300	10 minutes	<ul style="list-style-type: none"> <li>Following LIM instructions for plasma separation and storage</li> </ul>
Navy Blue		2800 - 3200	1100 - 1300	10 minutes	<ul style="list-style-type: none"> <li>Used for Trace Metals (zinc/copper/lead)</li> </ul>
Lavender (EDTA)		2800 - 3200	1100 - 1300	10 minutes	<ul style="list-style-type: none"> <li>Do not centrifuge samples for Routine hematology testing (CBC, Reticulocyte counts, ESRs)</li> <li>Following LIM instructions for plasma separation and storage</li> </ul>
Light blue		Varies (depends on model)	1500	15 minutes	<ul style="list-style-type: none"> <li>Can only be centrifuge in models that have capability of separation coagulation samples at 1500 RCF to achieve consistent Platelet Poor Plasma (PPP)</li> </ul>

NOTE: \*Speed (RPM) (RCF)\* Some fixed angled centrifuge models may have factory singled set RPM (Rotation per minute) settings that cannot be changed. Some older models of fixed angled and swinging bucket bench top centrifuges may not have capability to display RCF (Rotor Centrifugal force) and should NOT be used for coagulation sample separation (Light Blue top). RPM speed selection is determined by the radius of the rotor in use. Refer to table 2 of **Serum/ Plasma Separation Procedure and Transport SOP** 110-10-05.



Fixed Angle Centrifuge models	Operating Instructions	Swinging Bucket Centrifuge Models	Operating Instructions
   	<ol style="list-style-type: none"> <li>Place the tubes in the tube holders</li> <li>Balance tubes as shown in diagram below with equally weighted tube volumes 6 Tube Centrifuges </li> <li>Attach safety lid (If applicable) to model using</li> <li>Close the centrifuge lid and fasten securely</li> <li>For factory set singled speed units, turn the dial to 10 minutes</li> <li>Select the speed and time on models that have programable settings</li> <li>Press Start (applicable units)</li> <li>Watch and listen to the centrifuge until full speed is reached to ensure proper load balancing prior to leaving unit unattended</li> <li>Open once the unit has stopped completely.</li> <li>Remove tubes and inspect for proper sample separation</li> </ol>	   	<ol style="list-style-type: none"> <li>Select the correct size tube insert and place in bucket opposite to each other as shown in picture</li> <li>Balance tubes as shown in diagram below with equally weighted tube volumes </li> <li>Attach safety lids (If applicable) to model using</li> <li>Close the centrifuge lid and fasten securely</li> <li>Select the speed and time. (Some models may have programable settings) Select desired program.</li> <li>Press Start</li> <li>Watch and listen to the centrifuge until full speed is reached to ensure proper load balancing prior to leaving unit unattended</li> <li>Open once the unit has stopped completely.</li> <li>Remove tubes and inspect for proper sample separation</li> </ol>

**NOTE:** Refer to Operators manual for specific make and model. For care and maintenance refer to Shared Health Diagnostic *Centrifuge Operation and Maintenance SOP 100-10-07*. Record on document-controlled maintenance logs reference within SOP.