



Preparation of Serum for Complement Testing

Specimen: Serum

Tube size: Generally, the smallest tube size available is sufficient, but if ordering multiple tests, verify with laboratory

Tube Type: RED top or Tiger top

Serum Collection and Processing Guidelines

1. Collect serum from whole blood drawn in appropriate Vacutainer tube and allow to clot at 37°C for 20-60 minutes (room temperature can be used if 37° C is not available).
2. Once clotted, spin the blood sample at approximately +4°C in a centrifuge at ~2700 RPM (1300 ± 100 x g) for 10 minutes. Room temperature centrifuge is acceptable if refrigerated centrifuge is not available. If using a room temperature centrifuge, do not place specimen on ice prior to centrifugation.
3. Specimens may need to be centrifuged a second time if cells are transferred with the serum.
4. Affix tube labels to the cryogenic storage tube(s). Labels should include: study number, patient/subject number, study day and time point.
5. Aliquot as necessary at this point. Thawing the aliquot after freezing will detrimentally affect testing results.
6. Immediately transfer the samples to a -80° or lower freezer. When stored at this temperature, the specimens are stable for at least 12 months as long as they have not undergone additional freeze/thaw cycles.

Shipment Guidelines

1. Ship for overnight delivery.
2. Use ample dry ice. We recommend at least 10 lbs to allow for specimen survival even if there is a delay in shipment.
3. Ship only Sunday through Thursday for delivery Monday through Friday.
4. Exsera BioLabs is not staffed for weekend deliveries.
5. Shipping address:

Exsera BioLabs, Room M20-3209
University of Colorado Denver, Mail Stop B115
1775 N. Aurora Court,
Aurora Colorado 80045

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