



Preparation of Serum for Complement Testing

Specimen: Serum

Tube size: Generally smallest tube size available is sufficient, but if ordering multiple test, 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 centrifuge at ~2700 RPM (1300 ± 100 x g) for 10 minutes. Room temperature centrifuge acceptable if refrigerated centrifuge is not available, but do not place specimen on ice prior to centrifugation if using a room temperature centrifuge.
3. Specimen 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 two identifiers including patient name and items sufficient to connect to requisition.
5. Aliquot as necessary at this point. Thawing to aliquot after freezing with determinately affect testing results.
6. Immediately transfer the samples to a -80° or lower freezer. If the specimen is so stored and not additionally freeze/thawed the samples are stable for at least 12 months.

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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