

UCSF Brain Tumor SPORE Biorepository and Biomarker Core



Standard Operating Procedure: Blood Collection & Processing

Collect the following from all consented patients:

-1 serum tube (black & red top)

-1 K2 EDTA tube (6 ml lavender top)

Document time of draw, if before incision, processing, aliquot and freeze for all samples.

	<p>BD Vacutainer™ Plus SST serum tube (orange and black top)</p> <ol style="list-style-type: none">1. Allow blood to clot for a minimum of 30 minutes (this may take longer) in a vertical position. A dense clot should be observed.2. Centrifuge for 15 minutes using the small bench-top Corning Centrifuge. Serum will be at the top.3. Pipette serum and aliquot into two 1.8 ml cryovials. (Must be done within 24 hours of collection.)4. Label with SF# and "S" for serum.5. Freeze in liquid nitrogen.
	<p>BD Vacutainer™ K₂EDTA whole blood tube (lavender top)</p> <ol style="list-style-type: none">1. Collect blood into lavender top K₂EDTA tube.2. Invert K₂EDTA tube 8 times immediately after draw.3. Working in the biosafety cabinet, aliquot the whole blood into 3-4 1.8ml cryovials.4. Label with SF# and "WB" for whole blood.5. Store in -80.* <p>Alternate protocol: <i>If you cannot perform the aliquot immediately after collection:</i></p> <ol style="list-style-type: none">1. Collect blood into lavender top K₂EDTA tube.2. Invert K₂EDTA tube 8 times, then store upright in 4C refrigerator for no longer than 24 hours3. The following day, remix blood (invert 8 times).4. Working in the biosafety cabinet, aliquot the whole blood into 3-4 1.8ml cryovials.5. Label with SF# and "WB" for whole blood.6. Store in -80.* <p>*when filled, transfer box to LN2 storage at Mission Bay</p>