

UCSF Brain Tumor Center Biorepository and Biomarkers Laboratory

Standard Operating Procedure: Biospecimen acquisition for viable cells

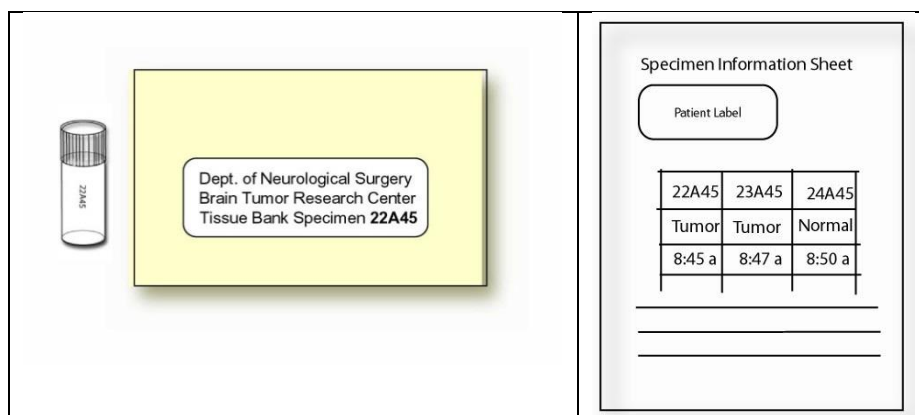
1. Consent

All donors must sign the USF Neurosurgery Tissue Bank consent and HIPAA authorization form prior to surgery. This allows for the collection of both blood and tissue from the patient. A signed, UCSF surgical authorization (research box checked) only allows for the collection of tissue removed as part of the routine procedure.

2. Fresh Tissue Collection

In all cases excess tissue is designated for research only after sufficient tissue for all diagnostic analysis and evaluation is obtained. The surgeon selects appropriate areas of viable tumor for research. When possible, tissue acquired for immediate distribution (request for viable cells) is distributed to the investigator only after a minimum amount of tissue has been flash-frozen in liquid nitrogen for potential future use.

- A. Collect tissue (typically 100-500mg) fresh in a sterile petri dish in the OR. Immediately place on ice and transport specimen to the lab for processing on ice.
- B. Using a sterile scalpel in the biosafety cabinet divide tissue into requested amount.
- C. Place tissue into a 15ml or 50ml falcon filled with cold media suitable for the experiment. Keep the tissue on ice or at 4°C in the refrigerator.
- D. Call or page investigator and distribute as soon as possible.
- E. For late cases in which same day distribution is not possible, place tissue in overnight media (Hyperthermosol) and keep at 4°C in the refrigerator until ready for transfer.
- F. Fill out specimen form: patient label, date, time of removal, type of tumor, tumor location, time on ice, time in media, and time in liquid nitrogen, etc. Any deviations from the SOP must be documented. Attach the index card to the specimen sheet.



Tissue Collection Packet – cryovial vial, index card and specimen sheet