**UW Medicine - Pathology**

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Cytogenetics Tissue Procurement Procedure

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| Adopted Date: 05/29/08  Review Date: 03/30/11  Revision Date: 02/14/11 |

PURPOSE

To properly obtain and send tissue for Cytogenetics testing.

SCOPE

All specimens that arrive in the Gross Room were tissue is to be procured for Cytogenetics testing.

PROCEDURE

1. All Cytogenetics testing must have attending pathologist approval prior to being sent. Residents are allowed to send a specimen to Cytogenetics with a verbal OK. Do not hold tissue in Cytogenetics media overnight or in the gross room refrigerator. All procured specimens should be sent by 5pm. Holding tissue, if transport media is past 48 hours, increases the risk of fungal and bacterial growth.
2. Using a clean (new) scalpel blade, obtain three small sections of tumor (about 0.5 cm). Cut into small pieces and place in Cytogenetics medium, pink solution in skinny blue top tube. On occasion there may be two grossly distinct or different areas of the tumor; it is important to submit samples from both areas for Cytogenetics analysis. IMPORTANT: Take a histologic section from area directly adjacent to the area sampled for Cytogenetics; this enables you to correlate the light microscopy results with the area that was sent for Cytogenetics.
3. Fill out the purple Cytogenetics request form. The resident should list on the request form: the ordering physician, the Attending Pathologist, and the resident. This will ensure a copy of the Cytogenetics report will be sent to them. Support staff will act as a back up if this information is forgotten. Send all forms with the specimen in a biohazard bag. Note on the Cytogenetics form both the differential diagnosis and whether or not the tumor has had radiation or chemotherapy. Also make a copy of the surgical Pathology Request From and attach it to the Cytogenetics request form. Send all forms with the specimen in a biohazard bag.
4. Place specimen and paperwork on the top shelf of the Frozen Room refrigerator. This will be checked throughout the day by support staff, 8am-4pm, Monday-Friday.
5. After 4pm take tissue to the Central Processing Laboratory (NW-220), across from Histology. They will insure it gets to cytogenetic 24 hours a day 7 days a week.
6. Residents are responsible to call and cancel the set up on the case when needed. To cancel Cytogenetics they should call 598-4488.

Written By: Director Approval:

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