

Specimen Preparation and Shipping Guidelines

The quality of laboratory results is highly dependent upon proper specimen collection and handling. Specimen storage conditions and stability is critical in isolating high-quality nucleic acids and insuring maximum sensitivity of detected significant variants.

SOLID TUMOR TESTING

Specimen Requirements	FFPE/TISSUE
Container	Formalin-fixed, paraffin embedded (FFPE) specimens. Standard fixation methods to preserve nucleic acid integrity should be used including 10% neutral-buffered formalin fixed for 24–72 hours. DO NOT use other fixatives (Bouins, B5, AZF, Holland’s).
	FFPE: 1 H&E slide and 6-10 unstained slides, 5-7 microns thick. Please circle tumor on H&E for microdissection. The tissue must contain sufficient tumor to be macro-dissected to a concentration of greater than 20% tumor cells in a normal cell background. Number of slides is dependent on size of the tissue and the tissue fixation and processing.
Volume - Optimal	10 slides 5–7 microns thick with a size range of 20mm ² to 200mm ² for a total of up to 2.0mm ³
Volume - Minimum	6 slides 5–7 microns thick with a size range of 20mm ² to 200mm ² for a total of up to 1.0mm ³ Note: The extraction process has not been evaluated for specimens less than 5–10µM thick FFPE tissue samples ranging in size from 0.1mm ³ to 2.0mm ³ .
Stability & Storage Requirements	Store sample at room temperature or refrigerated. Stability: Stable
Other Considerations	Microtomy for Molecular Testing, to avoid cross contamination: <ul style="list-style-type: none"> • Use a microtome blade for each case • Clean the water bath between cases • Wear gloves and change them frequently, especially between specimens, to prevent contamination of the sample.
Unacceptable Specimens	Tissue decalcified in strong acid decalcification procedures. Specimens fixed in Zinc fixatives or Bouins, B5, AZF, Holland’s.

❖ **Shipping Instructions-Use the Solid Tumor Transport Kit**

- ❖ Complete Requisition, making sure all sections are completed in their entirety including Client information, Patient Information, Specimen Information and Test Selection. Missing information may delay reporting of test results.
- ❖ Diagnosis/Patient History is extremely important in rendering the correct interpretation of results and should also be filled out as completely as possible. A copy of a Path report should be included.
- ❖ Insure the specimen is labeled with patient name and number. A minimum of two patient identifiers is REQUIRED for each specimen.
- ❖ If sending FFPE Block-Insert up to 6 blocks into plastic block tray provided. Insert block tray into foam insert in the transport box.
- ❖ If sending slides-Insert slides into plastic slide holders provided. Insert the the slide holders into the foam insert in the transport box. The container will hold up to 6 maximum slide holders.
- ❖ Place folded test requisition(s) and/or manifest(s) if ordered electronically into the transport kit.
- ❖ Close box and tuck tabs into place. No tape necessary.

If you have any questions regarding the kits or instructions for use, please contact us at:

gtc@genomictestingcooperative.com

or call at **1-866-484-8870** Option 2

Online Test Ordering- Online Ordering capabilities are available

Test orders as well as test add-ons can be performed quickly and efficiently in our GTC LIS portal.

Results are available immediately upon release.

Contact our customer care for access.

Thank you!