HOTLINE: Effective November 15, 2021

**New Test** **3004279** **Gastrointestinal Stromal Tumor Mutations** **GISTMUT**

Additional Technical Information

**Methodology:** Massively Parallel Sequencing
**Performed:** Varies
**Reported:** 10-12 days

**Specimen Required:** Collect: Tumor tissue.
Specimen Preparation: Formalin fix (10 percent neutral buffered formalin) and paraffin embed tissue. Diff-Quik and Papanicolaou stained cytology smears are also acceptable. Number of slides needed is dependent on the tumor cellularity of the smear. Slide(s) will be destroyed during testing process and will not be returned to client. Protect from excessive heat. Transport block and/or slides in a tissue transport kit (ARUP supply #47808) available online through eSupply using ARUP Connect™ or contact ARUP Client Services at (800) 522-2787.
**Resections:** Transport 8 unstained 5-micron slides. (Min: 5 slides)
**Small Biopsies:** Transport 15 unstained 5-micron slides. (Min: 10 slides)
Storage/Transport Temperature: Room temperature. Also acceptable: Refrigerated. Ship in cooled container during summer months.
Remarks: Include surgical pathology report.
If multiple specimens (blocks or slides) are sent to ARUP, they must be accompanied by one of the following: an order comment indicating that the ARUP pathologist should choose the specimen most appropriate for testing (e.g., "Choose best block"), or individual orders for each sample submitted. A Pathologist Block Selection Fee (ARUP test code 3002076) will be added to orders that utilize the first option. If multiple specimens are sent to ARUP without a request for pathologist block/slide selection or individual orders, they will be held until clarification is provided.
Unacceptable Conditions: Less than 10 percent tumor. Specimens fixed/processed in heavy metal fixatives. Decalcified specimens. FNA smears with less than 50 tumor cells.
Stability (collection to initiation of testing): Ambient: Indefinitely; Refrigerated: Indefinitely; Frozen: Unacceptable

**Reference Interval:** By report

**Interpretive Data:**
Refer to report

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

**Note:** A full list of the targeted genes and regions is listed in the Additional Technical Information.

**CPT Code(s):** 88381; 81272; 81314

New York DOH Approved.

**HOTLINE NOTE:** Refer to the Test Mix Addendum for interface build information.