

**NEW TEST - Available Now**

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**BRAF Mutation Detection**

3017203, BRAF NGS

**Specimen Requirements:**

**Patient Preparation:**

**Collect:** Tumor tissue.

**Specimen Preparation:** Tumor Tissue: Formalin fix (10 percent neutral buffered formalin, not decalcified) and paraffin embedded tissue with at least 20 percent tumor burden. Protect from excessive heat. Tissue block will be returned after testing. Transport tissue block or 8 unstained 5 micron slides. (Min: 5 slides). Transport block and/or slide(s) in a tissue transport kit (ARUP Supply # 47808) available online through eSupply using ARUP Connectcontact ARUP Client Services at 800-522-2787.

**Transport Temperature:** Room temperature. Also acceptable: Refrigerated. Ship in cooled container during summer months.

**Unacceptable Conditions:** Less than 20 percent tumor. Specimens fixed in any fixative other than 10 percent neutral buffered formalin. Decalcified specimens (except in EDTA). Decalcified specimens in EDTA will require a client approved disclaimer.

**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. Our pathologists will review every case to determine if there is an adequate tumor area for testing. Submitted specimens should contain >20 percent tumor. Specimens may be canceled, and a new block requested if there is not an acceptable area for extraction or if block/tissue has been decalcified (except in EDTA). Samples that produce less than the optimal concentration of DNA input and/or samples decalcified in EDTA will require a disclaimer for testing or be canceled.

**Stability:** Ambient: Indefinitely; Refrigerated: Indefinitely; Frozen:

Unacceptable

Methodology:	Massively Parallel Sequencing
Performed:	Varies
Reported:	10-15 days
Note:	BRAF (NM_004333) exon 15 is evaluated to detect hotspot mutations. See Additional Technical Information for more information.
CPT Codes:	81210
New York DOH Approval Status:	Specimens from New York clients will be sent out to a New York DOH approved laboratory, if possible.
Interpretive Data:	

Reference Interval:

Test Number	Components	Reference Interval

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