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**2003123 NRAS Mutation Detection by Pyrosequencing****NRAS**

**Specimen Required:** Collect: Tumor tissue. **Also acceptable:** DNA extracted by CLIA certified lab with corresponding client-circled H&E slide.

Specimen Preparation: **Tumor Tissue:** Formalin fix (10 percent neutral buffered formalin) and paraffin embed tissue. Protect from excessive heat. **Tissue block will be returned after testing.** Transport tissue block or 5 unstained 5 micron slides. (Min: 3 slides). Transport block and/or slide(s) in a tissue transport kit (ARUP Supply # 47808) available online through eSupply using ARUP Connect™ or contact ARUP Client Services at (800) 522-2787.

**Extracted DNA:** Transport 40 uL DNA with at least 50 ng/uL concentration. (Min: 40 uL) Transport DNA in a tissue transport kit (ARUP Supply #47808) available online through eSupply using ARUP Connect™ or contact ARUP Client Services at (800) 522-2787.

Storage/Transport Temperature: Room temperature. Ship in cooled container during summer months.

**Extracted DNA:** Refrigerated.

Remarks: Include surgical pathology report.

Unacceptable Conditions: Less than 25 percent tumor. DNA extracted by a non-CLIA lab. DNA extracted without a corresponding circled H&E slide. Specimens fixed/processed in alternative fixatives (alcohol, Prefer) or heavy metal fixatives (B-4 or B-5). Decalcified specimens.

Stability (collection to initiation of testing): Ambient: Indefinitely; Refrigerated: Indefinitely; Frozen: Unacceptable

**Extracted DNA:** Ambient: 1 month; Refrigerated: Indefinitely; Frozen: Indefinitely