MAYO
Mayo Medical Laboratories
1-800-533-1710

NEW TEST ANNOUNCEMENT
NOTIFICATION DATE: January 30, 2013
EFFECTIVE DATE: February 19, 2013

KRAS Mutation Analysis, 7 Mutation Panel, Colorectal

Test ID: KRAS7

USEFUL FOR: Prognostic markers for cancer patients treated with epidermal growth factor receptor-targeted therapies

METHODOLOGY: Polymerase Chain Reaction (PCR) Analysis

REFERENCE VALUES: An interpretative report will be provided.

SPECIMEN REQUIREMENTS: Pathology report **must** accompany specimen in order for testing to be performed.

Preferred:
Specimen Type: Tissue
Container/Tube: Tissue block
Collection Instructions: Submit a formalin-fixed, paraffin-embedded tissue block.

Acceptable:
Specimen Type: Tissue
Container/Tube: Slides
Specimen Volume: 1 stained and 5 unstained
Collection Instructions: Submit 1 slide stained with hematoxylin and eosin and 5 unstained, nonbaked slides with 5 micron-thick sections of the tumor tissue.

NOTE:

- Molecular Genetics-Inherited Cancer Syndromes Patient Information Sheet (Supply T519) in Special Instructions
- **New York Clients-Informed consent is required.** Please document on the request form or electronic order that a copy is on file. An Informed Consent for Genetic Testing (Supply T576) is available in Special Instructions.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Varies	Ambient (preferred)	
	Frozen	
	Refrigerated	

CAUTIONS:

- Not all patients who have wild-type *KRAS* respond to epidermal growth factor receptor (EGFR)-targeted therapies.
- Rare polymorphisms exist that could lead to false-negative or false-positive results.
- Test results should be interpreted in context of clinical findings, tumor sampling, and other laboratory data. If results obtained do not match other clinical or laboratory findings, please contact the laboratory for possible interpretation. Misinterpretation of results may occur if the information provided is inaccurate or incomplete.

CPT CODE:
81275-KRAS (v-Ki-ras2 Kirsten rat sarcoma viral oncogene) (eg, carcinoma) gene analysis, variants in codons 12 and 13

Additional Test
88381 -Microdissection, manual

DAY(S) SET UP: Monday through Friday; Varies **ANALYTIC TIME**: 5 days

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Marvin H. Anderson, Jr., MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710