MAYO CLINIC
Mayo Medical Laboratories

NEW TEST ANNOUNCEMENT
NOTIFICATION DATE: March 21, 2011
EFFECTIVE DATE: Immediately

KIT, MUTATION ANALYSIS, EXON 17
#88957

USEFUL FOR: Diagnosis and management of patients with GIST (gastrointestinal stromal tumor) or other tumors that express KIT.

METHOD: Polymerase chain reaction (PCR).

REFERENCE VALUES: Negative. (Reported as positive, negative or indeterminate.)

Additional Tests:

Unit Code	Reporting Name	Available Separately	Always Performed
20422	DNA/RNA Extraction, MAP Lab	No	Yes

Testing Algorithm:
When this test is ordered, DNA extraction will always be performed at an additional charge. However, for multiple KIT mutation test orders, the DNA extraction will only be charged once.

SPECIMEN REQUIREMENTS: Submit a formalin-fixed, paraffin-embedded (FFPE) tissue block with consultation materials.

Note:
1. A pathology/diagnostic report and a brief history are required for processing.
2. Indicate #88957 "KIT, Mutation Analysis, Ex 17" on Request Form.
3. Process all fresh or frozen specimens into FFPE blocks prior to submission.
4. When a FFPE block is not available, or processing cannot be performed, a frozen specimen, shipped on dry ice, will be accepted and will be processed by the lab into a FFPE block prior to testing.
5. Unstained slides are also acceptable. If received, the slides may be stained and/or scraped.

CAUTIONS: KIT mutations can be seen in neoplasms other than GIST, including, but not limited to: mast cell disease, melanoma, seminomas, acute myeloid leukemia, myeloproliferative neoplasms, and some lymphomas. This test is used for clinical purposes. Clinical diagnosis and/or therapy should not be based solely on this assay. The results should be considered in conjunction with clinical information and/or additional diagnostic tests. For KIT Asp816Val mutation analysis in mast cell disease, please refer to unit code 88802.

LIST FEE: $814.50
$161.00 for #20422 DNA/RNA Extraction

$975.50 Total List fee

CPT CODES:
KIT, Mutation Analysis, Exon 17
83892 x 1 enzymatic digestion
83896 x 2 nucleic acid probe, each
83898 x 1 Amplification, target, each nucleic acid sequence
83904 x 1 Mutation identification by sequencing, single segment
83907 x 1 Lysis of cells prior to nucleic acid extraction
83912 x 1 Interpretation and report

DNA/RNA Extraction, MAP Lab
83891 x 1 Isolation or extraction of highly purified nucleic acid

ANALYTIC TIME: 4 days **DAY(S) SET-UP:** Monday through Friday

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager
Leah Saint-Fort, Mayo Medical Laboratories' Technologist Support
Telephone: 800-533-1710