

## **BRAF V600 Somatic Mutation Analysis, Tumor, Tissue**

**Test ID:** TBRAF; performed at Mayo Clinic Laboratories Florida.

### **Useful for:**

Classifying and, possibly, targeting therapies of hematological neoplasms, such as hairy cell leukemia, Langerhans cell histiocytosis, Erdheim-Chester disease.

### **Methods:**

Real Time PCR Amplification and Detection with a Qualitative Genotype Call

### **Reference Values:**

An interpretive report will be provided

### **Necessary Information:**

1. **A pathology report** (final or preliminary) **is required** for testing to be performed.
2. At minimum, the following information must be included in the report provided:
  - Patient name
  - Block number-must be on all blocks, slides and paperwork (can be handwritten on the paperwork)
  - Tissue collection date
  - Source of the tissue

### **Specimen Requirements:**

**Submit only 1 of the following specimens:**

#### **Preferred:**

**Specimen Type:** Tissue block

**Collection Instructions:** Submit a formalin-fixed, paraffin-embedded tissue block. Blocks prepared with alternative fixation methods will not be accepted; provide fixation method used

#### **Acceptable:**

**Specimen Type:** Tissue slides

**Slides:** 1 Hematoxylin and eosin stained and 4 or more unstained slides.

#### **Collection Instructions:**

1. A minimum of 10 percent tumor is required.

2. Submit 1 hematoxylin and eosin-stained slide and 4 to 10 unstained, nonbaked slides with 7 to 10-micron thick sections of the tumor tissue with an aggregate of 25 mm squared. 10 microns is preferred.

3. 5-micron sections will be accepted if a 50mm squared aggregate is cut

**Minimum Volume:** 1 Hematoxylin and eosin-stained slide and 1 unstained slide for each probe set

### Shipping Instructions:

Advise Express Mail or equivalent if not on courier service.

Ship paraffin blocks on ice packs during warm months

### Specimen Stability Information:

Specimen Type	Temperature	Time
Tissue, Paraffin	Ambient (Preferred)	
	Refrigerated	

### Cautions:

Test results should be interpreted in context of clinical findings and other laboratory data. If results obtained do not match other clinical or laboratory findings, contact the laboratory for possible interpretation.

Misinterpretation of results may occur if the information provided is inaccurate or incomplete.

### CPT Code:

81210

**Day(s) Performed:** Monday through Friday **Report Available:** 1 to 8 days

### Questions

Contact Bonnie Meyers, Laboratory Resource Coordinator at 800-533-1710.