

**GENETIC DISEASES EVALUATION CENTER**  
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**Test Name & Code:**

- **Test Name:** NonSmall Cell Lung Cancer Genetic Panel
- **Test Code:** 3383

**Related Diseases & Genes:**

- “Adenocarcinoma of lung, response to tyrosine kinase inhibitor in” (OMIM #: 211980) || Gene: *EGFR* (OMIM #: 131550)
- “Nonsmall cell lung cancer, response to tyrosine kinase inhibitor in” (OMIM #: 211980) || Gene: *ALK* (OMIM #: 105590) || Gene: *ERBB2* (OMIM #: 164870) || Gene: *BRAF* (OMIM #: 164757) || Gene: *ROS1* (OMIM #: 165020) || Gene: *RET* (OMIM #: 164761)

**Synonyms:**

-none-

**Test Details:**

- **Methodology:** qRT-PCR (melting point)
- **Performed:** Everyday
- **Reported:** 2 weeks

**Specimen Details:**

- **Specimen Collection:** Tumour Tissue
- **Container:** “Fresh tissue in sterile tube; or, Paraffin block”

**Testing Area(s):**

- Oncogenetics
- Pharmacogenetics

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