



# Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



## MET FISH

### Methodology

FISH

### Test Description

**Probes:** MET (7q31) | Centromere 7

**Disease(s):** Multiple solid tumor cancers including lung (NSCLC), gastric, esophageal, endometrial

### Clinical Significance

MET gene amplification, as detected by FISH, is one mechanism of MET overexpression. MET amplifications are detected in 3-7% of non-small cell lung cancer (NSCLC) and associated with resistance to EGFR inhibitors and shorter survival in this disease. MET amplifications are also detected in a wide variety of other solid tumors including gastric (up to 10%), esophageal (4%), and endometrial tumors. Clinical trials have demonstrated activity of MET inhibitors against numerous solid tumors such as lung, breast, melanoma, liver, prostate, renal, and ovarian, including tumor reduction in NSCLC and breast cancer patients who had developed resistance to EGFR inhibitors.

### Specimen Requirements

- **Bone marrow aspirate:** N/A
- **Peripheral blood:** N/A
- **Fresh, unfixed tissue:** N/A
- **Fluids:** N/A
- **Paraffin block:** Send paraffin block. Also send circled H&E slide for tech-only (required).
- **Cut slides:** H&E slide (required) plus 4 unstained slides cut at 4-5 microns. Circle H&E slide for tech-only.

### Storage & Transportation

Use cold pack for transport. Make sure cold pack is not in direct contact with specimen.

### CPT Code(s)\*

88377x1 manual or 88374x1 automated.

### New York Approved

Yes

### Level of Service

Technical, Global

### Turnaround Time

3-5 days

\*The CPT codes provided with our test descriptions are based on AMA guidelines and are for informational purposes only. Correct CPT coding is the sole responsibility of the billing party.

Please direct any questions regarding coding to the payor being billed.

NeoGenomics Laboratories is a specialized oncology reference laboratory providing the latest technologies, testing partnership opportunities, and interactive education to the oncology and pathology communities. We offer the complete spectrum of diagnostic services in molecular testing, FISH, cytogenetics, flow cytometry, and immunohistochemistry through our nation-wide network of CAP-accredited, CLIA-certified laboratories.

Committed to research as the means to improve patient care, we provide Pharma Services for pharmaceutical companies, in vitro diagnostic manufacturers, and academic scientist-clinicians. We promote joint publications with our client physicians. NeoGenomics welcomes your inquiries for collaborations. Please contact us for more information.

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