



# Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



## HER2 Gastric/GEA

### Alternative Name

HER2 neu

### Methodology

FISH

### Test Description

**Probes:** HER2 (17q11.2-q12) | Centromere 17 (Cen 17)

**Disease(s):** Gastric cancer, Gastroesophageal Adenocarcinoma, Gastroesophageal junction (GEJ) cancer

### Clinical Significance

HER2, a member of the epidermal growth factor receptor family, is a transmembrane protein with tyrosine kinase activity. Gene amplification and protein overexpression of HER2 have been found in a variety of tumors. This test provides HER2 amplification status to aid in determining anti-HER2 targeted therapies for patients with gastric cancer. Scoring for HER2 is performed according to 2016 CAP/ASCP/ACSO consensus guidelines for gastric/gastroesophageal adenocarcinoma.

### Specimen Requirements

- **Pathology Report:** For global HER2 FISH cases we require a copy of the HER2 IHC pathology report (if it is not available to us in NeoLINK™). Client Services will call your office or lab for missing IHC reports.
- **Bone Marrow Aspirate:** N/A
- **Peripheral Blood:** N/A
- **Fresh, Unfixed Tissue:** N/A
- **Fluids:** N/A
- **Paraffin Block:** H&E slide (required) plus paraffin block. Circle H&E for tech-only.
- **Cut Slides:** H&E slide (required) plus 2 unstained slides cut at 4 microns. Circle H&E for tech only.

### Storage & Transportation

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

### CPT Code(s)\*

88374x1 automated. Codes may differ if manual analysis is performed.

### New York Approved

Yes

### Level of Service

Global, Technical

### Turnaround Time

3-5 days

## References

1. Bartley AN, Washington MK, Ventura CB, et al. HER2 Testing and Clinical Decision Making in Gastroesophageal Adenocarcinoma: Guideline From the College of American Pathologists, American Society for Clinical Pathology, and American Society of Clinical Oncology. Arch Pathol Lab Med. 2016;140(12):1345-1363. doi:10.5858/arpa.2016-0331-CP

\*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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