

Patient ID <b>SA00112976</b>	Patient Name <b>TESTINGRNV, SAMPLEREPOR-H2GE</b>	Birth Date <b>1966-02-07</b>	Gender <b>F</b>	Age <b>52</b>
Order Number <b>SA00112976</b>	Client Order Number <b>SA00112976</b>	Ordering Physician <b>CLIENT, CLIENT</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>07 Nov 2018 09:46</b>		

## HER2, Gastroesophageal FISH, Tissue

**Result Summary**

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**Positive**
**Interpretation**

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This tumor specimen is positive for HER2 (ERBB2) gene amplification.

According to CAP/ASCP/ASCO guidelines for HER2 testing in gastroesophageal adenocarcinoma, dual-probe in situ hybridization (ISH) results indicating a HER2/centromere ratio of 2.0 or greater or an average HER2 copy number greater than or equal to 6.0 signals per cell are interpreted as ISH positive (1).

Reference:

1. Bartley et al., Am J Clin Pathol 146(6):647–669, 2016.

**Result**

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nuc ish(D17Z1x2,HER2 amp)

**HER2/D17Z1 ratio:** 10.50

**Average HER2 signals per cell:** 21.0

**Average D17Z1 signals per cell:** 2.0

**Reason for Referral**

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r/o GE junction cancer

**Specimen**

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Tissue, Paraffin

**Source**

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Esophagus

**Tissue ID**

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SR18-123-45

**Fixative**

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Formalin

**Method**

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FISH using probes for HER2 (17q12) and a chromosome 17 centromere (D17Z1) control probe (PathVysion, Abbott Molecular, Inc). Two technologists score signals in 60 total nuclei from invasive or metastatic tumor after confirmation of probe performance by concurrent controls.

**Disclaimer**

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Laboratory Developed Test (LDT). This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. It is intended as an adjunct to existing prognostic clinical and pathologic information for gastroesophageal cancer patients. This test is not intended to diagnose or screen for gastroesophageal cancer. Since only a portion of the tumor was tested, it is possible that this result may not represent the entire tumor population. Per ASCO/CAP guidelines, HER2 FISH test results are valid for non-decalcified paraffin embedded specimens fixed in 10% neutral buffered formalin between 6 and 72 hours. Results from specimens fixed outside these parameters should be interpreted accordingly.

**Released By**

MCR

Katherine B. Geiersbach, M.D.

**Received:** 08 Nov 2018 11:52

**Reported:** 19 Nov 2018 09:10

**Performing Site Legend**

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292