

Patient ID SA00150355	Patient Name TESTINGRNV, H2MT-NEGATIVE	Birth Date 1950-02-15	Gender M	Age 71
Order Number SA00150355	Client Order Number SA00150355	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 25 Jan 2022 07:47		

HER2, Misc. Tumor, FISH, Tissue

Result Summary

MCR

Negative
Interpretation

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This tumor specimen is negative for HER2 amplification due to a HER2/centromere ratio <2.0 with an average HER2 copy number <6.0.

HER2 (ERBB2) amplification has been observed in a variety of solid tumors, particularly breast carcinoma, gastroesophageal adenocarcinoma, and endometrial serous carcinoma. Tumors with HER2 amplification may respond to targeted therapy.

Correlation with HER2 immunohistochemistry and other clinical and pathologic data is recommended.

Reference:

J Clin Oncol 36:2105–2122, 2018. PMID: 29846122

Result

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nuc ish(D17Z1,HER2)x2

HER2/D17Z1 ratio: 1.00

Average HER2 signals per cell: 2.0

Average D17Z1 signals per cell: 2.0

Reason for Referral

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r/o HER2/neu gene amplification

Specimen

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Tissue, Paraffin, Formalin

Source

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chest wall mass

Tissue ID

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BR-12345

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. Scoring method: Manual.

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. This test is not intended to diagnose or screen for 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

Patricia T. Greipp, D.O.

Received: 26 Jan 2022 07:50

Reported: 21 Feb 2022 11:06

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
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