

Patient ID SA00095502	Patient Name TESTING, SHARI	Birth Date 1999-01-01	Gender F	Age 18
Order Number SA00095502	Client Order Number SA00095502	Ordering Physician CLIENT, CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 11 Aug 2017 00:00		

HER Gastric/Esoph IHC NO Reflex

Case Number CR-17-7840

Interpretation

MCR

Stomach, original accession: S17-123, block: S17-123-A1

SPECIAL PROCEDURE REPORT

Biomarker(s) for:

Stomach/gastroesophageal junction adenocarcinoma

Result(s):

HER2 by Immunohistochemistry (IHC)

Positive (Score 3+)

METHOD AND SCORING

HER2 Gastric/Esophagogastric Junction Manual Method: Testing is performed using FDA approved Ventana Pathway HER2 (4B5) rabbit monoclonal primary antibody and a proprietary detection system. Controls used have: no expression (HER2 score of 0), low expression (HER2 score of 1+) and high expression (HER2 score of 3+). All controls show appropriate reactivity.

Scoring: Scoring is performed according to the following article: Ruschoff J, Dietel M, Baretton G, et al. HER2 diagnostics in gastric cancer-guideline validation and development of standardized immunohistochemical testing. Virchows Arch. Sep; 457 (3):299-307.

Surgical resections: Score of 0 is no reactivity or membranous reactivity in <10% of invasive tumor cells. Score of 1+ is faint/barely perceptible membranous reactivity in ≥10% of tumor cells; cells are reactive only in part of their membrane. Score of 2+ is weak to moderate complete, basolateral or lateral membranous reactivity in ≥10% of tumor cells. Score of 3+ is strong complete, basolateral or lateral membranous reactivity in ≥10% of tumor cells.

Biopsy specimens: Score of 0 is no reactivity or no membranous reactivity in any invasive tumor cells. Score of 1+ is *tumor cell cluster with a faint/barely perceptible membranous reactivity irrespective of percentage of invasive tumor cells stained. Score of 2+ is *tumor cells cluster with a weak to moderate complete, basolateral or lateral membranous reactivity irrespective of percentage of invasive tumor cells stained. Score of 3+ is *tumor cluster with a strong complete, basolateral or lateral membranous reactivity irrespective of percentage of invasive tumor cells stained. *Tumor cells cluster is defined as a cluster of 5 or more tumor cells by Ruschoff and colleagues. There is no percentage cutoff in biopsy specimens for upper GI tract HER2 scoring.

Material Received

MCR

A. S17-123: Stomach
1 block

Report electronically signed by

MCR

Taofic Mounajjed, M.D. 3-5281

Tumor classification

MCR

Primary G/E adenocarcinoma including intramucosal only

Received: 14 Aug 2017 12:16

Reported: 14 Aug 2017 14:30

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