
Reporting Title: HER2, Breast Tumor, FISH, Tissue**Performing Location** Rochester**Ordering Guidance:**

This test is only for primary or metastatic breast tumors.

-For urothelial tumors, order H2UR / *HER2* Amplification Associated with Urothelial Carcinoma, FISH, Tissue.

-For gastroesophageal tumors, order H2GE / *HER2* Amplification Associated with Gastroesophageal Cancer, FISH, Tissue.

-For all other tumor types, order H2MT / *HER2* Amplification, Miscellaneous Tumor, FISH, Tissue.

This test does not include a pathology consult. If a pathology consult is requested, PATHC / Pathology Consultation should be ordered and the appropriate fluorescence in situ hybridization test will be determined by the reviewing pathologist and testing performed at an additional charge.

Shipping Instructions:

Advise Express Mail or equivalent if not on courier service.

Necessary Information:

1. **A pathology report is required in order for testing to be performed.** Acceptable pathology reports include working drafts, preliminary pathology, or surgical pathology reports.

2. **A reason for testing must be provided.** If this information is not provided, an appropriate indication for testing may be entered by Mayo Clinic Laboratories.

3. The pathology report must include type and time of fixation, as well as the cold ischemia time.

Specimen Requirements:

Note: In accordance to College of American Pathologists guidelines, place specimens for *HER2* (*ERBB2*) testing in fixative within one hour of biopsy or resection (cold ischemia time). Specimens should remain in 10% neutral buffered formalin for a minimum of six hours to a maximum of 72 hours (formalin fixation time). Do not use decalcification solutions with strong acids.(2)

Submit only 1 of the following specimens:

Specimen Type: Tissue

Preferred: Tissue block

Collection Instructions: Submit a formalin-fixed, paraffin-embedded (FFPE) tumor tissue block.

Acceptable: Slides

Collection Instructions: Four consecutive, unstained, 5 micron-thick sections placed on positively charged slides, and 1 hematoxylin and eosin-stained slide.

Forms:

If not ordering electronically, complete, print, and send a [Oncology Test Request](#) (T729) with the specimen.

Specimen Type	Temperature	Time	Special Container
Tissue	Ambient (preferred)	0 hours	
	Refrigerated	0 hours	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
H2BR	GC028	Reason for Referral	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC
603074	Result Summary	Alphanumeric		50397-9
603075	Interpretation	Alphanumeric		69965-2
603076	Result	Alphanumeric		62356-1
GC028	Reason for Referral	Alphanumeric		42349-1
603077	Specimen	Alphanumeric		31208-2
603078	Source	Alphanumeric		85303-6
603079	Tissue ID	Alphanumeric		80398-1
603080	Fixative	Alphanumeric		8100-0
603081	Method	Alphanumeric		85069-3
603082	Additional Information	Alphanumeric		48767-8
603083	Disclaimer	Alphanumeric		62364-5
603084	Released By	Alphanumeric		18771-6

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

88377

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
HERBN	HER Breast IHC Automated NO Reflex	1	88361	No	Yes

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC
HERBN	MA012	Fixed in 10% NB formalin w/in 1 hr	Alphanumeric		8100-0
HERBN	MA013	Fixed in 10% NB formalin 6-72 hrs	Alphanumeric		8100-0
HERBN	MA014	Tumor type	Alphanumeric		44638-5
HERBN	MA015	Tumor classification	Alphanumeric		21918-8
HERBN	70975	Interpretation	Alphanumeric		50595-8
HERBN	70976	Participated in the Interpretation	Alphanumeric		No LOINC Needed

HERBN	70979	Material Received	Alphanumeric		81178-6
HERBN	70977	Report electronically signed by	Alphanumeric		19139-5
HERBN	71622	Disclaimer	Alphanumeric		62364-5
HERBN	71836	Case Number	Alphanumeric		80398-1
HERBN	MA047	Tissue was decalcified	Alphanumeric		8100-0

Reference Values:

An interpretive report will be provided.