
Reporting Title: ER/PR Semi Quant IHC Manual**Performing Location:** Rochester**Ordering Guidance:**

This test is for prognostic purposes only.

For diagnostic purposes, order PATHC / Pathology Consultation and then request the stains.

Estrogen/progesterone receptor testing is not appropriate and not performed for cases of lobular carcinoma in situ.

Shipping Instructions:

Attach the green pathology address label included in the kit to the outside of the transport container.

Necessary Information:

1. Include accompanying pathology report stating the final diagnosis. If not available, a preliminary diagnosis is acceptable.
2. Information regarding fixative used, time to fixation, and duration of fixation is required. The following questions, as stated on the order form or presented electronically, must be answered:
 - a. "Was specimen fixed in 10% neutral buffered formalin within 1 hour from surgical collection time? Yes, No, or Unknown."
 - b. "Has specimen been fixed in 10% neutral buffered formalin for 6 to 72 hours? Yes, No, or Unknown."
 - c. "Was tissue decalcified? Yes, No, or Unknown."
 - d. "Tumor type? Primary breast carcinoma, metastatic breast carcinoma, or non-breast tumor."
 - e. "Tumor classification? Invasive breast carcinoma, ductal carcinoma in situ, metastatic breast carcinoma, micro-invasive breast carcinoma, solid/intracystic papillary carcinoma, or non-breast tumor."

Specimen Requirements:

Supplies: Pathology Packaging Kit (T554)

Specimen Type: Breast carcinoma

Preferred: A paraffin-embedded tissue block containing in-situ, invasive or metastatic breast carcinoma tissue that has been fixed in 10% neutral buffered formalin within 1 hour from surgical collection time and for a total of 6 to 72 hours and shipped at ambient temperature

Acceptable: 3 unstained sections, containing carcinoma, on charged slides cut at 4 microns <1 month ago and shipped at ambient temperature

Collection Instructions: Submit paraffin-embedded carcinoma tissue

Specimen Type: Non-breast carcinoma

Preferred: A paraffin-embedded tissue block containing carcinoma tissue that has been fixed in 10% neutral buffered formalin and shipped at ambient temperature

Acceptable: 3 unstained sections, containing carcinoma, on charged slides cut at 4 microns <1 month ago and shipped at ambient temperature

Collection Instructions: Submit paraffin-embedded carcinoma tissue

Additional Information:

1. According to the American Society of Clinical Oncology (ASCO)/College of American Pathologists (CAP) guidelines, estrogen/progesterone receptor protein immunohistochemical test results are only valid for nondecalfified, paraffin-embedded specimens fixed in 10% neutral buffered formalin within 1 hour from surgical collection time and for a total time of 6 to 72 hours. Delay to fixation, under- or overfixation may affect these results.
2. Paraffin blocks will be returned with final report.

Forms:

If not ordering electronically, complete, print, and send 1 of the following forms with the specimen:

-Oncology Test Request (T729)

-Immunohistochemical (IHC)/In Situ Hybridization (ISH) Stains Request (T763)

| Specimen Type | Temperature | Time | Special Container |
|---------------|---------------------|------|-------------------|
| Special | Ambient (preferred) | | |
| | Refrigerated | | |

Ask at Order Entry (AOE) Questions:

| Test ID | Question ID | Description | Type | Reportable |
|---------|-------------|--|-------------|------------|
| ERPR | MA002 | Fixed in 10% NB formalin w/in 1 hr: • Yes • No • Unknown | Answer List | Yes |
| ERPR | MA003 | Fixed in 10% NB formalin 6-72 hrs: • Yes • No • Unknown | Answer List | Yes |
| ERPR | MA004 | Tumor Type: • Primary breast carcinoma • Metastatic breast carcinoma • NonBreast Tumor | Answer List | Yes |
| ERPR | MA005 | Tumor Classification: • Invasive breast carcinoma • Ductal carcinoma in situ • Metastatic breast carcinoma • Micro-invasive breast carcinoma • Solid/intracystic Papillary carcinoma • NonBreast Tumor | Answer List | Yes |
| ERPR | MA044 | Tissue was decalcified: • Yes • No • Unknown | Answer List | Yes |

Result Codes:

| Result ID | Reporting Name | Type | Unit | LOINC® |
|-----------|------------------------------------|--------------|------|-----------------|
| 70965 | Interpretation | Alphanumeric | | 50595-8 |
| 70966 | Participated in the Interpretation | Alphanumeric | | No LOINC Needed |
| 70967 | Report electronically signed by | Alphanumeric | | 19139-5 |
| 70969 | Material Received | Alphanumeric | | 81178-6 |
| MA002 | Fixed in 10% NB formalin w/in 1 hr | Alphanumeric | | 8100-0 |
| MA003 | Fixed in 10% NB formalin 6-72 hrs | Alphanumeric | | 8100-0 |
| MA004 | Tumor type | Alphanumeric | | 44638-5 |
| MA005 | Tumor classification | Alphanumeric | | 21918-8 |
| MA044 | Tissue was decalcified | Alphanumeric | | 8100-0 |
| 71620 | Disclaimer | Alphanumeric | | 62364-5 |
| 71834 | Case Number | Alphanumeric | | 80398-1 |

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

88360 x 2

Reference Values:

Negative: <1% reactive cells

Positive: > or =1% reactive cells