

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 11/3/1951
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Estrogen/Progesterone Receptor with Interpretation by Immunohistochemistry

ARUP test code 0049210

Estrogen Receptor IP	Negative
% of Nuclei Staining (ER)	0 %
Estrogen Receptor Intensity	No Staining
Progesterone Receptor IP	Negative
% of Nuclei Staining (PR)	0 %
Progesterone Receptor Intensity	No Staining
EstrogRecp IHC Internal Control Staining	Absent
Estrog/Progest Receptor Interpretation	See Note

Controls were run and performed as expected. This result has been reviewed and approved by [REDACTED]
2000 Circle of Hope, RM 3100
Salt Lake City, UT 84112

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

INTERPRETIVE INFORMATION: Estrogen/Progesterone Recp w/Interp IHC
Tumor cell nuclei demonstrating immunoreactivity of greater than or equal to 1 percent are considered positive and correlate with a favorable response to hormone therapy and an improved prognosis. Tumor cell nuclei demonstrating immunoreactivity of less than 1 percent are considered negative.

A measurement of weak, moderate, or strong is reported based on an estimate of the average staining intensity of positively-stained tumor cells in the entire tissue section relative to positive and internal (benign glands) controls.

Cancers showing a low level (1-10 percent) of ER expression by IHC are considered "low positive". There are limited data on the overall benefit of endocrine therapies for patients with low level (1-10 percent) ER expression but they currently suggest possible benefit, so patients are considered eligible for endocrine treatment. There are data that suggest invasive cancers with these results are heterogeneous in both behavior and biology and often have gene expression profiles more similar to ER-negative cancers.

Staining is performed on paraffin-embedded formalin-fixed tissue. Antibody clone for ER is SP1, clone for PR is 16, and the detection system is a proprietary polymeric HRP. These clones are not currently FDA approved.

Evaluation of positive and negative controls for appropriate reactivity is also performed. For more information, refer to ASCO/CAP guidelines found at <http://www.jco.org>.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

Fixative Used	Not Provided
Time from Bx to Fixative	Not provided
Duration of Fixation	Not provided
Sample Adequacy	Adequate
ERPR Reference Number	C11848-22 A2
ERPR Tissue Source	Pleural Fluid
ProgstRecp IHC Internal Control Staining	Absent

H=High, L=Low, *=Abnormal, C=Critical

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Estrogen Receptor IP	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
% of Nuclei Staining (ER)	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Estrogen Receptor Intensity	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Progesterone Receptor IP	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
% of Nuclei Staining (PR)	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Progesterone Receptor Intensity	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EstrogRecp IHC Internal Control Staining	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Estrog/Progest Receptor Interpretation	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Fixative Used	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Time from Bx to Fixative	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Duration of Fixation	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Sample Adequacy	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
ERPR Reference Number	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
ERPR Tissue Source	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
ProgstRecp IHC Internal Control Staining	23-010-401666	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 23-010-401666
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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