ACIS Templates: ER/PR/Her-2 Automated IHC Image Analysis Template for Breast Residents/Fellows

Accession #: _____   Patient Name: _____

Use ACIS Template Number:
        ACIS1   ER/PR/Her-2/neu
        ACIS2   ER/PR only
        ACIS3   Her-2/neu only

Soft Template
Site: [right/left] breast (Part ___)

Immunostain results for [invasive / metastatic] carcinoma cells are as follows:

Receptor	IHC stain result:	Interpretation:
ER	_____%	[Negative/ Focal/Weak /Positive]
PR	_____%	[Negative/ Focal/Weak /Positive]
Her-2/neu	[0 / 1+ / 2+ / 3+]	[Negative/ Focal/Weak /Positive]

The level of expression of HER-2/neu detected by automated cellular imaging system is equivocal for overexpression. A tissue block will be sent for HER-2/neu amplification FISH analysis and separate report will follow (please see the Molecular Diagnostics Lab section in MiChart).

Controls are appropriate.

Cold ischemia time: _____

Immunohistochemistry for ER (SP1), PR (IE2), and HER-2/neu (4B5) was performed using formalin-fixed, paraffin-embedded sections, and stains were interpreted in conjunction with the FDA-approved iScan Coreo System (Ventana Medical Systems, Inc.). Appropriate controls were run. Specimens processed by 10% Neutral Buffered Formalin. Detection method: Indirect, biotin-free DAB.

ASCO/CAP scoring criteria were used to assess HER-2/neu protein overexpression by IHC. Positive cases are those with strong and complete membrane staining in greater than 10% of invasive cancer cells (Score 3). Negative cases are defined as those with no staining or weak, incomplete membrane staining in less than or equal to 10% of cells (Score 0) or weak, incomplete membrane staining in greater than 10% of cells (Score 1+). Equivocal or indeterminate cases are those cases with strong staining in less than or equal to 10% of cells, or less than strong but complete membrane staining in greater than 10% of cells (Score 2+).
Arch Pathol Lab Med 2010; 134(6):907-22.   Arch Pathol Lab Med 2014; 138:241-256.