**Template for Reporting Results of Quantitative IHC Biomarker Testing of Specimens From Patients With Carcinoma**

**Version:** 1.0.0.0

**Protocol Posting Date:** June 2021

The use of this protocol is recommended for clinical care purposes but is not required for accreditation purposes.

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With guidance from the CAP Cancer and CAP Pathology Electronic Reporting Committees.
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**Accreditation Requirements**

Completion of the template is the responsibility of the laboratory performing the biomarker testing and/or providing the interpretation. When both testing and interpretation are performed elsewhere (eg, a reference laboratory), synoptic reporting of the results by the laboratory submitting the tissue for testing is also encouraged to ensure that all information is included in the patient’s medical record and thus readily available to the treating clinical team. This template is not required for accreditation purposes.

**Summary of Changes**

**v 1.0.0.0**

* New

**Reporting Template**

**Protocol Posting Date: June 2021**

**Select a single response unless otherwise indicated.**

**CASE SUMMARY: (Quantitative IHC Biomarker Reporting)**

**SPECIMEN INFORMATION**

**+Case Identifier: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**+Block Designation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**+Anatomic Site: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**+Diagnosis: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**+Biomarker(s) Assessed (select all that apply)**

\_\_\_ Estrogen Receptor IHC

**Results**

**+Interpretation**

\_\_\_ Positive

\_\_\_ Negative

\_\_\_ Cannot be determined (indeterminate)

**+Specify Tumor Cell Percent Positive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ %**

**+Tumor Cell Staining Intensity**

\_\_\_ Strong

\_\_\_ Moderate

\_\_\_ Weak

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**+Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Methods**

**+Antibody**

\_\_\_ SP1

\_\_\_ 6F11

\_\_\_ 1D5

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**+Controls (select all that apply)**

\_\_\_ Internal control cells present; expected immunoreactivity

\_\_\_ Internal control cells present; no immunoreactivity of either tumor cells or internal controls

\_\_\_ External controls available, expected immunoreactivity

\_\_\_ External controls available; no immunoreactivity in expected cells

**+Assay Information**

\_\_\_ Food and Drug Administration (FDA) cleared test / vendor (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Laboratory-developed test

**+Specify Quantitative Imaging Analytics Performed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

\_\_\_ Progesterone Receptor IHC

**Results**

**+Interpretation**

\_\_\_ Positive

\_\_\_ Negative

\_\_\_ Cannot be determined (indeterminate)

**+Specify Tumor Cell Percent Positive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ %**

**+Tumor Cell Staining Intensity**

\_\_\_ Strong

\_\_\_ Moderate

\_\_\_ Weak

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**+Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Methods**

**+Antibody**

\_\_\_ 1E2

\_\_\_ 636

\_\_\_ SP2

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**+Controls (select all that apply)**

\_\_\_ Internal control cells present; expected immunoreactivity

\_\_\_ Internal control cells present; no immunoreactivity of either tumor cells or internal controls

\_\_\_ External controls available, expected immunoreactivity

\_\_\_ External controls available; no immunoreactivity in expected cells

**+Assay Information**

\_\_\_ Food and Drug Administration (FDA) cleared test / vendor (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Laboratory-developed test

**+Specify Quantitative Imaging Analytics Performed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

\_\_\_ Ki-67 IHC

**Results**

**+Specify Tumor Cell Percent Positive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ %**

**+Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Methods**

**+Antibody**

\_\_\_ MIB1

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**+Assay Information (eg., Laboratory-developed Test): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**+Specify Quantitative Imaging Analytics Performed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

\_\_\_ HER2 IHC

**Results**

**+Interpretation**

\_\_\_ Positive

\_\_\_ Negative

\_\_\_ Equivocal

\_\_\_ Cannot be determined (indeterminate)

**+Scoring System**

\_\_\_ Breast

\_\_\_ Gastric

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**+Score**

\_\_\_ 0

\_\_\_ 1+

\_\_\_ 2+

\_\_\_ 3+

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**+Specify Percentage of Cells with Uniform Intense Complete Membrane Staining: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ %**

**+Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Methods**

**+Antibody**

\_\_\_ HercepTest

\_\_\_ 4B5

\_\_\_ SP3

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**+Assay Information**

\_\_\_ Food and Drug Administration (FDA) cleared test / vendor (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Laboratory-developed test

**+Specify Quantitative Imaging Analytics Performed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

\_\_\_ PD-L1 IHC

**Results**

**+Interpretation**

\_\_\_ Positive

\_\_\_ Negative

\_\_\_ Cannot be determined (indeterminate)

**+Percentage of Tumor Cells with Staining (TPS): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ %**

**+Combined Number of Tumor and Immune Cells with Staining per 100 Tumor Cells (CPS): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells**

**+Specify Percentage of Tumor-associated Immune Cells with Staining: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ %**

**+Specify Percentage of Tumor Area Occupied by Tumor-associated Immune Cells: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ %**

**+Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Methods**

**+Antibody**

\_\_\_ 22C3

\_\_\_ SP142

\_\_\_ SP263

\_\_\_ 28-8

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**+Controls (select all that apply)**

\_\_\_ Internal control cells present; expected immunoreactivity

\_\_\_ Internal control cells present; no immunoreactivity of either tumor cells or internal controls

\_\_\_ External controls available, expected immunoreactivity

\_\_\_ External controls available; no immunoreactivity in expected cells

**+Assay Information**

\_\_\_ Food and Drug Administration (FDA) cleared test / vendor (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Laboratory-developed test

**+Specify Quantitative Imaging Analytics Performed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

\_\_\_ MMR IHC

**Results**

**+Interpretation**

\_\_\_ No loss of nuclear expression of MMR proteins

\_\_\_ Loss of nuclear expression of MLH1 and PMS2

\_\_\_ Loss of nuclear expression of MSH2 and MSH6

\_\_\_ Loss of nuclear expression of only PMS2 or MSH6

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Cannot be determined (indeterminate)

**+Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**MMR Staining**

**+Nuclear MLH1 staining**

\_\_\_ Intact

\_\_\_ Loss

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**+Nuclear PMS2 staining**

\_\_\_ Intact

\_\_\_ Loss

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**+Nuclear MSH2 staining**

\_\_\_ Intact

\_\_\_ Loss

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**+Nuclear MSH6 staining**

\_\_\_ Intact

\_\_\_ Loss

\_\_\_ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Methods**

**+Controls (select all that apply)**

\_\_\_ Internal control cells present; expected immunoreactivity

\_\_\_ Internal control cells present; no immunoreactivity of either tumor cells or internal controls

\_\_\_ External controls available, expected immunoreactivity

\_\_\_ External controls available; no immunoreactivity in expected cells

**+Assay Information**

\_\_\_ Food and Drug Administration (FDA) cleared test / vendor (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Laboratory-developed test

**+Specify Quantitative Imaging Analytics Performed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**