



| <u>Procedure</u> | <u>Result</u> | <u>Units</u> | <u>Ref Interval</u> | <u>Accession</u> | <u>Collected</u> | <u>Received</u> | <u>Reported/</u> <u>Verified</u> |
|-------------------------------------|---------------|--------------|---------------------|------------------|--------------------|--------------------|-------------------------------------|
| p53 Percent of Tumor Cells Staining | 0 f | % | | 17-233-109392 | 21-Aug-17 13:15:00 | 21-Aug-17 13:16:00 | 21-Aug-17 13:32:59 |
| p53 Reference Number | | | | 17-233-109392 | 21-Aug-17 13:15:00 | 21-Aug-17 13:16:00 | 21-Aug-17 13:32:59 |

21-Aug-17 13:15:00 p53 Percent of Tumor Cells Staining:
 Controls were run and performed as expected. This result has been reviewed and approved by Dan Albertson, M.D.

21-Aug-17 13:15:00 p53 Percent of Tumor Cells Staining:
 INTERPRETIVE INFORMATION: p53 with Interpretation
 by Immunohistochemistry

Abnormalities of the p53 gene are one of the most common genetic changes associated with cancer and can be found in a wide variety of tumor types. p53 protein expression is generally associated with a worse prognosis. According to some studies, nuclei staining in less than 10 percent of specimen cells is defined as negative for p53, and nuclei staining in greater than or equal to 10 percent of specimen cells is considered positive for p53. Results of this test should be interpreted with caution and within the context of other clinical data.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab