

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 12/31/1959  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**SDHB with Interpretation by Immunohistochemistry**

ARUP test code 2006948

SDHB w/Interp by IHC - Result

Abnormal

Abnormal immunohistochemical staining for succinate dehydrogenase B (SDHB) correlates well with the presence of a germline mutation in the genes of the succinate dehydrogenase complex: SDHB, SDHC and SDHD. Since the correlation is not perfect, genetic counseling is advised. Mutations in other genes (i.e., SDHAF2 and SDHA) may also be associated with abnormal staining.

Confirmatory genetic testing for SDHB, SDHC, and SDHD deletion/duplication is available at ARUP Laboratories: Test code 2007113.

Controls were run and performed as expected.

This result has been reviewed and approved by [REDACTED]

INTERPRETIVE INFORMATION: SDHB with Interpretation by IHC

SDHB by Immunohistochemistry is used as a screening tool for directing germline mutation analysis. An abnormal result is suggestive of a germline mutation in the SDH complex, but should be confirmed by molecular analysis. Germline SDH mutations are not always detected in cases with negative staining, and some tissue could stain as normal in cases with germline SDH mutations.

These results require clinical correlation for proper interpretation. Controls were run and performed as expected.

Reference: Gill et al., Human Pathology (2010) 41:805-14. van Nederveen et al., Lancet Oncology (2009) 10:764-71.

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.

SDHB w/Interp by IHC - Tissue Source

Stomach

SDHB w/Interp by IHC - Reference Number

SP21-1234 1A

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

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
SDHB w/Interp by IHC - Result	21-242-123316	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
SDHB w/Interp by IHC - Tissue Source	21-242-123316	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
SDHB w/Interp by IHC - Reference Number	21-242-123316	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  
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 21-242-123316  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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