ARUP LABORATORIES | **aruplab.com**
500 Chipeta Way, Salt Lake City, Utah 84108-1221
phone: 801-583-2787, toll free: 800-522-2787
Julio Delgado, MD, MS, Chief Medical Officer

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

Physician: Doctor, Example

Patient: Patient, Example

DOB	1/14/1925
Gender:	Female
Patient Identifiers:	01234567890ABCD, 012345
Visit Number (FIN):	01234567890ABCD
Collection Date:	00/00/0000 00:00

Mismatch Repair by Immunohistochemistry with Reflex to BRAF Codon 600 Mutation and MLH1 Promoter Methylation

ARUP test code 2002327

Mismatch Repair by IHC, Result	Normal Normal immunohistochemical staining for mismatch repair proteins correlates well with the absence of microsatellite instability by PCR. Since the correlation is not perfect, however, a direct evaluation by PCR may be helpful to exclude the possibility of microsatellite instability (refer to Microsatellite Instability/HNPCC 0051740). Controls worked appropriately. This result has been reviewed and approved by Jon Mahlow, M.D. INTERPRETIVE INFORMATION: Mismatch Repair by Immunohistochemistry Immunohistochemical staining for mismatch repair proteins can be used as a surrogate test for microsatellite instability as measured by PCR. Normal results correlate well with the absence of microsatellite instability, while abnormal results correlate well with the presence of microsatellite instability. The immunohistochemical staining pattern can also be used as a guide for the subsequent germline evaluation of mismatch repair genes (refer to Lynch Syndrome (HNPCC) testing algorithm at ARUPconsult.com). Genetic counseling is recommended for the interpretation of all results. Assay is performed on paraffin-embedded, formalin fixed tissue. Antibody clone for MLH1 is ES05, MSH2 is FE11, MSH6 is EP49, and PMS2 is EP51. Detection system is a proprietary polymeric HRP. Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS
Mismatch Repair by IHC with MLH1	Normal
Mismatch Repair by IHC with MSH2	Normal
Mismatch Repair by IHC with MSH6	Normal
Mismatch Repair by IHC with PMS2	Normal

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

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Client Case or Ref #	[redacted]
MSI Tissue Source	UTERUS

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Mismatch Repair by IHC, Result	20-231-123922	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mismatch Repair by IHC with MLH1	20-231-123922	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mismatch Repair by IHC with MSH2	20-231-123922	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mismatch Repair by IHC with MSH6	20-231-123922	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mismatch Repair by IHC with PMS2	20-231-123922	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Client Case or Ref #	20-231-123922	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
MSI Tissue Source	20-231-123922	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