

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 1/24/1942  
Gender: Male  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Collection Date: 00/00/0000 00:00

Methylmalonic Acid, Serum or Plasma (Vitamin B12 Status)

ARUP test code 0099431

MMA Serum/Plasma, Vitamin B12 Status 0.60 umol/L H (Ref Interval: 0.00-0.40)

Slight elevation 0.41-0.99 umol/L  
Consistent with mild vitamin B12 deficiency, renal insufficiency, or intravascular volume contraction.

Moderate elevation 1.00-9.99 umol/L  
Consistent with mild vitamin B12 deficiency.

Massive elevation - Greater than or equal to 10 umol/L  
Consistent with significant vitamin B12 deficiency or with inborn errors of metabolism.

INTERPRETIVE INFORMATION: MMA Serum/Plasma,  
Vitamin B12 Status

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.

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
MMA Serum/Plasma, Vitamin B12 Status	23-174-117953	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