

Patient ID C7028846-0005096	Patient Name TEST, MMPP	Birth Date 1954-02-15	Sex M	Age 68
Order Number X100389812	Client Order Number X100389812	Ordering Physician unkdr	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 18 May 2022 10:15		

## Mitochondrial Metabolites, P

### Interpretation

\*NEGATIVE\* In this sample, the profile is normal.

### ADDITIONAL INFORMATION

Gas Chromatography-Mass Spectrometry (GC/MS)

### Lactic acid

4000.0 nmol/mL

### 2-Hydroxybutyric acid

124.0 nmol/mL

### 3-Hydroxybutyric acid

700.0 nmol/mL

### Pyruvic acid

350.0 nmol/mL

### cis-Aconitic acid

9.0 nmol/mL

### Citric acid

250.0 nmol/mL

### 3-Hydroxypropionic acid

12.4 nmol/mL

### 3-Hydroxy-2-methylbutyric acid

2.5 nmol/mL

① MCR

MCR  
Reference Value  
≤4000.0

MCR  
Reference Value  
≤124.0

MCR  
Reference Value  
≤700.0

MCR  
Reference Value  
≤350.0

MCR  
Reference Value  
≤9.0

MCR  
Reference Value  
≤250.0

MCR  
Reference Value  
≤12.4

MCR  
Reference Value  
≤2.5

### 3-Hydroxyisovaleric acid

15.4 nmol/mL

### Succinic acid

10.0 nmol/mL

### Fumaric acid

5.0 nmol/mL

### 3-Methylglutaconic acid

1.6 nmol/mL

### Malic acid

20.0 nmol/mL

### 2-Ketobutyric acid

16.0 nmol/mL

### 2-Ketoisovaleric acid

35.0 nmol/mL

### Acetoacetic acid

350.0 nmol/mL

### 3-Methyl-2-ketovaleric acid

70.0 nmol/mL

### 2-Ketoisocaproic acid

70.0 nmol/mL

MCR

Reference Value  
≤15.4

MCR

Reference Value  
≤10.0

MCR

Reference Value  
≤5.0

MCR

Reference Value  
≤1.6

MCR

Reference Value  
≤20.0

MCR

Reference Value  
≤16.0

MCR

Reference Value  
≤35.0

MCR

Reference Value  
≤350.0

MCR

Reference Value  
≤70.0

MCR

Reference Value  
≤70.0

### Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292

Patient ID <b>C7028846-0005096</b>	Patient Name <b>TEST, MMPP</b>	Birth Date <b>1954-02-15</b>	Sex <b>M</b>	Age <b>68</b>
Order Number <b>X100389812</b>	Client Order Number <b>X100389812</b>	Ordering Physician <b>unkdr</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>18 May 2022 10:15</b>		

**2-Methylcitric acid**
**1.0 nmol/mL**
**MCR**  
**Reference Value**  
 $\leq 1.0$ 
**Reviewed by**

Amy Breitlow

**MCR**
**Received:** 23 May 2022 07:53

**Reported:** 23 May 2022 08:44

**2-Ketoglutaric acid**
**40.0 nmol/mL**
**MCR**  
**Reference Value**  
 $\leq 40.0$ 

Test Environment  
 LTCSEQ Template

**Laboratory Notes**

- 1 This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

**Performing Site Legend**

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292