

|                                                       |                                               |                                                |                 |                  |
|-------------------------------------------------------|-----------------------------------------------|------------------------------------------------|-----------------|------------------|
| Patient ID<br><b>321</b>                              | Patient Name<br><b>IMPLEMENTATION, TEST T</b> | Birth Date<br><b>1973-05-01</b>                | Sex<br><b>F</b> | Age<br><b>50</b> |
| Order Number<br><b>X100461815</b>                     | Client Order Number<br><b>X100461815</b>      | Ordering Physician<br><b>UNKNOWN, PROVIDER</b> | Report Notes    |                  |
| Account Information<br><b>C7028846 DLMP Rochester</b> |                                               | Collected<br><b>24 Apr 2024 11:00</b>          |                 |                  |

## Amino Acids, QN, P

### Interpretation (AAQP)

MCR

In this sample, the concentration of alanine was elevated. This finding could be indicative of secondary lactic acidemia, acute illness, and reduced caloric intake. Consider plasma lactate.

Please contact the Biochemical Genetics consultant or genetic counselor on call (1-800-533-1710) if you have any questions.

### ADDITIONAL INFORMATION

Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

#### Taurine

123 nmol/mL

MCR

Reference Value  
21-123

#### Asparagine

94 nmol/mL

MCR

Reference Value  
23-94

#### Serine

146 nmol/mL

MCR

Reference Value  
55-146

#### Hydroxyproline

37 nmol/mL

MCR

Reference Value  
<38

#### Glycine

500 nmol/mL

MCR

Reference Value  
80-500

#### Glutamine

774 nmol/mL

MCR

Reference Value  
447-774

#### Aspartic Acid

&lt;13 nmol/mL

MCR

Reference Value  
<13

#### Ethanolamine

19 nmol/mL

MCR

Reference Value  
<20

#### Histidine

120 nmol/mL

MCR

Reference Value  
61-120

#### Threonine

325 nmol/mL

MCR

Reference Value  
73-325

#### Citrulline

57 nmol/mL

MCR

Reference Value  
18-57

#### Sarcosine

19 nmol/mL

MCR

Reference Value  
<20

#### Beta-Alanine

&lt;36 nmol/mL

MCR

Reference Value  
<36

#### Alanine

 782 nmol/mL

MCR

Reference Value  
200-579

High

#### Glutamic Acid

148 nmol/mL

MCR

Reference Value  
13-148

#### 1-Methylhistidine

11 nmol/mL

MCR

Reference Value  
<12

#### 3-Methylhistidine

34 nmol/mL

MCR

Reference Value  
<35

### 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       |

|                                                |                                        |                                         |              |           |
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| Account Information<br>C7028846 DLMP Rochester |                                        | Collected<br>24 Apr 2024 11:00          |              |           |

|                                   |                                       |                      |                                      |
|-----------------------------------|---------------------------------------|----------------------|--------------------------------------|
| <b>Argininosuccinic Acid</b>      | MCR<br>Reference Value<br><5 nmol/mL  | <b>Cystathionine</b> | MCR<br>Reference Value<br><4 nmol/mL |
| <b>Homocitrulline</b>             | MCR<br>Reference Value<br><2 nmol/mL  | <b>Cystine</b>       | MCR<br>Reference Value<br>8–310      |
| <b>Arginine</b>                   | MCR<br>Reference Value<br>144 nmol/mL | <b>Lysine</b>        | MCR<br>Reference Value<br>105–335    |
| <b>Alpha-aminoadipic Acid</b>     | MCR<br>Reference Value<br>3 nmol/mL   | <b>Methionine</b>    | MCR<br>Reference Value<br>13–40      |
| <b>Gamma-amino-n-butyric Acid</b> | MCR<br>Reference Value<br>3 nmol/mL   | <b>Valine</b>        | MCR<br>Reference Value<br>134–357    |
| <b>Beta-aminoisobutyric Acid</b>  | MCR<br>Reference Value<br>4 nmol/mL   | <b>Tyrosine</b>      | MCR<br>Reference Value<br>36–113     |
| <b>Alpha-amino-n-butyric Acid</b> | MCR<br>Reference Value<br>39 nmol/mL  | <b>Isoleucine</b>    | MCR<br>Reference Value<br>29–153     |
| <b>Hydroxylysine</b>              | MCR<br>Reference Value<br>3 nmol/mL   | <b>Leucine</b>       | MCR<br>Reference Value<br>79–217     |
| <b>Proline</b>                    | MCR<br>Reference Value<br>383 nmol/mL | <b>Phenylalanine</b> | MCR<br>Reference Value<br>45–106     |
| <b>Ornithine</b>                  | MCR<br>Reference Value<br>154 nmol/mL | <b>Tryptophan</b>    | MCR<br>Reference Value<br>21–108     |

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| Account Information<br>C7028846 DLMP Rochester |                                        | Collected<br>24 Apr 2024 11:00         |              |           |

Allo-isoleucine

<5 nmol/mL

Received: 26 Apr 2024 09:59

Reported: 26 Apr 2024 11:14

MCR

Reference Value

<5

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.

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