

Reporting Title: Amino Acid, MSUD Panel, P
Performing Location: Rochester

Specimen Requirements:

Collection Container/Tube:

Preferred: Green top (sodium heparin)

Acceptable: EDTA, plasma gel, or lithium heparin

Submission Container/Tube: Plastic vial

Specimen Volume: 0.5 mL

Collection Instructions:

1. Fasting (12 hours). Infants should be drawn just before next feeding.

2. Spin down promptly.

Additional Information:

1. Patient's age is required.

2. Include family history, clinical condition (asymptomatic or acute episode), diet, and drug therapy information.

Specimen Type	Temperature	Time
Plasma	Frozen	14 days

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
32446	Valine	Numeric	nmol/mL	
32447	Isoleucine	Numeric	nmol/mL	
32448	Leucine	Numeric	nmol/mL	
32449	Allo-isoleucine	Numeric	nmol/mL	
32450	Interpretation (AAMSD)	Alphanumeric		

CPT Code: 1 × 82136

Reference Values:

ISOLEUCINE

< or =23 months: 31-105 nmol/mL

2-17 years: 30-111 nmol/mL

> or =18 years: 36-107 nmol/mL

LEUCINE

< or =23 months: 48-175 nmol/mL

2-17 years: 51-196 nmol/mL

> or =18 years: 68-183 nmol/mL

VALINE

< or =23 months: 83-300 nmol/mL

2-17 years: 106-320 nmol/mL

> or =18 years: 136-309 nmol/mL

ALLO-ISOLEUCINE

< or =23 months: <2 nmol/mL

2-17 years: <3 nmol/mL

> or =18 years: <5 nmol/mL