MAYO CLINIC
Mayo Medical Laboratories

Test Definition: AAUCD

Amino Acids, Urea Cycle Disorders Panel, Plasma

Reporting Title: Amino Acid, Urea Cycle Panel, P
Performing Location: Rochester

Specimen Requirements:

Collection Container/Tube:
Preferred: Green top (sodium heparin)
Acceptable: EDTA, green top (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.
Forms: If not ordering electronically, submit a Biochemical Genetics Request Form (Supply T439) with the specimen.

Specimen Type	Temperature	Time
Plasma	Frozen	14 days

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
32440	Glutamine	Numeric	nmol/mL	20643-3
32441	Citrulline	Numeric	nmol/mL	20640-9
32442	Argininosuccinic Acid	Numeric	nmol/mL	32227-1
32443	Arginine	Numeric	nmol/mL	20637-5
32444	Ornithine	Numeric	nmol/mL	20652-4
32445	Interpretation (AAUCD)	Alphanumeric		59462-2

CPT Code: 1 × 82136

Reference Values:

GLUTAMINE
< or =23 months: 316-1020 nmol/mL
2-17 years: 329-976 nmol/mL
> or =18 years: 371-957 nmol/mL

ORNITHINE
< or =23 months: 20-130 nmol/mL
2-17 years: 22-97 nmol/mL
> or =18 years: 38-130 nmol/mL

CITRULLINE
< or =23 months: 9-38 nmol/mL
2-17 years: 11-45 nmol/mL
> or =18 years: 17-46 nmol/mL

ARGININE
< or =23 months: 29-134 nmol/mL
2-17 years: 31-132 nmol/mL
> or =18 years: 32-120 nmol/mL

ARGININOSUCCINIC ACID
<2 nmol/mL
Reference value applies to all ages.