

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

Necessary Information:

1. Patient's age is required.
2. Include family history, clinical condition (asymptomatic or acute episode), diet, and drug therapy information.

Specimen Requirements:

Patient Preparation: Fasting (overnight preferred, 4 hours minimum). Infants should be drawn just before next feeding (2-3 hours without total parenteral nutrition if possible).

Collection Container/Tube:

Preferred: Green top (sodium heparin)  
Acceptable: Lavender top (EDTA), plasma gel tube, or green top (lithium heparin)  
Submission Container/Tube: Plastic vial

Specimen Volume: 0.5 mL

Collection Instructions:

1. Collect specimen and place on wet ice. Note: Thrombin-activated tubes **should not be used** for collection.
2. Centrifuge immediately or within 4 hours of collection if the specimen is kept at refrigerated temperature.
3. Being careful to ensure that no buffy coat is transferred, aliquot plasma into a plastic vial and freeze.

Forms:

[If not ordering electronically, complete, print, and send a Biochemical Genetics Test Request](#) (T798) with the specimen.

Specimen Type	Temperature	Time	Special Container
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		49247-0

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

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.