

Table 1: Amino Acid Disorders

Overall Result	Disorder	Screening Result	Screening Result Note
Normal		Normal	
Abnormal	Amino Acid Disorders	Abnormal	Possible Amino Acid Disorder. Arginine Slightly Elevated. If this is the second screen, follow recommendations received from Clinical Care Coordination. Otherwise, repeat the newborn screen within 7 days.
Abnormal	Amino Acid Disorders	Abnormal	Possible Argininemia. Arginine Elevated. Recommend plasma ammonia, plasma quantitative amino acids and urine orotic acid within 48 hours and immediate telephone consultation with a pediatric metabolic specialist.
Abnormal	Amino Acid Disorders	Abnormal	Possible Amino Acid Disorder. Citrulline Slightly Elevated. If this is the second screen, follow recommendations received from Clinical Care Coordination. Otherwise, repeat the newborn screen within 7 days.
Abnormal	Amino Acid Disorders	Abnormal	Possible ASA, Citrullinemia or Citrullinemia Type II. Citrulline Elevated. Recommend immediate plasma ammonia, quantitative plasma amino acids, urine organic acids, urine orotic acid and liver function tests within 24 hours and immediate telephone consultation with a pediatric metabolic specialist.
Abnormal	Amino Acid Disorders	Abnormal	Possible Amino Acid Disorder. Leucine Slightly Elevated; Valine Normal. If this is the second screen, follow recommendations received from Clinical Care Coordination. Otherwise, repeat the newborn screen within 7 days.
Abnormal	Amino Acid Disorders	Abnormal	Possible Maple Syrup Urine Disease. Leucine Elevated. Recommend plasma quantitative amino acids and urine organic acids within 24 hours and immediate telephone consultation with a pediatric metabolic specialist.
Abnormal	Amino Acid Disorders	Abnormal	Possible Maple Syrup Urine Disease. Leucine Slightly Elevated; Valine Elevated. Recommend plasma quantitative amino acids and urine organic acids within 24 hours and immediate telephone consultation with a pediatric metabolic specialist.
Abnormal	Amino Acid Disorders	Abnormal	Possible Amino Acid Disorder. Methionine Slightly Elevated. If this is the second screen, follow recommendations received from Clinical Care Coordination. Otherwise, repeat the newborn screen within 7 days.
Abnormal	Amino Acid Disorders	Abnormal	Possible Homocystinuria or Hypermethioninemia. Methionine Elevated. Recommend quantitative plasma amino acids and plasma total homocysteine and telephone consultation with a pediatric metabolic specialist within 24 hours.
Abnormal	Amino Acid Disorders	Abnormal	Possible Amino Acid Disorder. Phenylalanine Slightly Elevated; Phe/Tyr Normal. If this is the second screen, follow recommendations received from Clinical Care Coordination. Otherwise, repeat the newborn screen within 7 days.
Abnormal	Amino Acid Disorders	Abnormal	Possible PKU, Benign Hyperphenylalaninemia, Biopterin defect in cofactor biosynthesis or Biopterin defect in cofactor regeneration. Phenylalanine Slightly Elevated; Phe/Tyr Elevated. Recommend plasma quantitative amino acids within 24 hours and immediate telephone consultation with a pediatric metabolic specialist.
Abnormal	Amino Acid Disorders	Abnormal	Possible PKU, Benign Hyperphenylalaninemia, Biopterin defect in cofactor biosynthesis or Biopterin defect in cofactor regeneration. Phenylalanine Elevated. Recommend plasma quantitative amino acids within 24 hours and immediate telephone consultation with a pediatric metabolic specialist.
Abnormal	Amino Acid Disorders	Abnormal	Possible Tyrosinemia Type I. Succinylacetone Elevated. Recommend plasma quantitative amino acids, succinylacetone and liver function tests within 24 hours and immediate telephone consultation with a pediatric metabolic specialist.

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Overall Result	Disorder	Screening Result	Screening Result Note
Abnormal	Amino Acid Disorders	Abnormal	Possible Amino Acid Disorder. Tyrosine Elevated; Succinylacetone Normal. If this is the second screen, follow recommendations received from Clinical Care Coordination. Otherwise, repeat the newborn screen within 7 days.
Abnormal	Amino Acid Disorders	Abnormal	Possible Amino Acid Disorder. Tyrosine Slightly Elevated; Succinylacetone Normal. If this is the second screen, follow recommendations received from Clinical Care Coordination. Otherwise, repeat the newborn screen within 7 days.
Abnormal	Amino Acid Disorders	Abnormal	Possible Tyrosinemia Type II, III or Transient Tyrosinemia of the Neonate. Tyrosine Elevated; Succinylacetone Normal. Recommend quantitative plasma amino acids, urine organic acids, succinylacetone, liver function tests and telephone consultation with a pediatric metabolic specialist within 24 hours.
Abnormal	Amino Acid Disorders	Non-specific	Elevation(s) in a non-diagnostic pattern. Repeat the newborn screen within 7 days.
Abnormal	Amino Acid Disorders	TPN	Possible TPN. Repeat the newborn screen when TPN is discontinued.
Abnormal	Amino Acid Disorders	Revised Result	free text
Normal	Amino Acid Disorders	Revised Result	free text
Unsatisfactory	Amino Acid Disorders	Revised Result	free text