

**Aminoacidopathies**

<b>Condition</b>	<b>Method</b>	<b>Tier</b>	<b>Biomarker</b>	<b>Value</b>
Argininosuccinic aciduria	MS/MS	1st	Argininosuccinic acid	≥ 2.0 μMol/L
Citrullinemia (Types I and II)	MS/MS	1st	Citrulline	≥ 85 μMol/L
Homocystinuria and Hypermethioninemia	MS/MS	1st	Methionine	≥ 60 μMol/L
	LC-MS/MS	2nd	Homocysteine	≥ 14.5 μMol/L
Hyperphenylalaninemia and Phenylketonuria	MS/MS	1st	Phenylalanine	≥ 150 μMol/L
Maple Syrup Urine Disease	MS/MS	1st	Leucine	≥ 400 μMol/L
	HPLC	2nd	Allo-Isoleucine	≥ 0 μMol/L
Tyrosinemia (Type 1)	MS/MS	1st	Succinylacetone	≥ 5.42 μMol/L
Tyrosinemia (Types 2 & 3)	MS/MS	1st	Tyrosine	≥ 360 μMol/L