

*Newborn Screening Metabolic Confirmatory Laboratory
Nichols Institute-Quest Diagnostics, Scope of Testing*

Assays	CPT Code	Test Performed at Quest Diagnostics	Test Performed at another Laboratory per this contract	Maximum Turnaround Time (calendar days)
Serum/Plasma/CSF Amino Acids				
Amino Acid Analysis, Quantitative, CSF	82139	Yes		5 days
Amino Acid Analysis, Quantitative, Plasma	82139	Yes		5 days
Acylcarnitine, Plasma	82017	Yes		5 days
Serum/Plasma B12	82607	Yes		5 days
Homocysteine (Nutritional & Congenital) FPIA	83090	Yes		5 days
Methylmalonic Acid	83921	Yes		5 days
Biotinidase, Serum	82261	No	Mayo Medical Laboratories	11 days
Plasma Lactate		No	Laboratory will be selected based on the type of test required to obtain a diagnosis.	
Pyruvate Blood		No		

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Urine Assays				
Amino Acid Analysis Quantitative, Urine	82139	Yes		5 days
Urine Acyglycines Profile	82544	No	Mayo Medical Laboratories	4 days
Carnitine, Urine	82379 82017	No No	Duke Mass Spectrometry Facility	5 days
Cystine, 24-Hour Urine	82131	Yes		5 days
Homocysteine, Total Urine	83090 82570	Yes Yes		5 days 5 days
Urine Ketones	82010	Yes		5 days
Urine Organic Acids	83918	Yes		10 days
Orotic Acid, Urine	83921	No	Mayo Medical Laboratories	5 days
Pteridines, Urine		No	Children's Hospital Los Angeles	5 days
Serum Ketones	82010	Yes		5 days
Fibroblast Oxidation Studies		No	Laboratory will be Selected based on the type of test required to obtain a diagnosis.	
Lymphocyte Carboxylases		No	University of California San Diego	30 days
Tissue assays for specific Enzyme activity		Type of test required to obtain a diagnosis will dictate whether the test is performed by Quest or another Laboratory.	Laboratory will be Selected based on the type of test required to obtain a diagnosis.	

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Assays	CPT Code	Test Performed at Quest Diagnostics	Test Performed at another Laboratory per this contract	Maximum Turnaround Time (calendar days)
Long Chain Acyl-CoA Dehydrogenase (LCHAD) Mutation Analysis - Isolation, HP DNA - DNA Probe – 1 - DNA Probe – 2 - Amplificat-single prm - Interp and report	83891 83896 83896 83901 83912	Yes		7 days
Medium Chain Acyl-CoA Dehydrogenases (MCAD) Mutation Analysis - Isolation, HP DNA - DNA Probe - 1 - DNA Probe – 1 - Amplificat-multiplex - Interp and report	83891 83896 83896 83901 83912	Yes		7 days
Other tests as needed to obtain a diagnosis		Type of test required to obtain a diagnosis will dictate whether the test is performed by Quest or another Laboratory.	Laboratory will be selected based on the type of test required to obtain a diagnosis	30 days