

Screened Disorders	Analytes	Referrals	# Confirmed with Disease
Endocrine Disorders			
Congenital Adrenal Hyperplasia	17-hydroxyprogesterone	257	Congenital adrenal hyperplasia - 21-Hydroxylase deficiency 15 Congenital adrenal hyperplasia, other enzyme deficiency 1
Congenital Hypothyroidism	Thyroxine	756	Primary Congenital Hypothyroidism 91 Secondary Congenital Hypothyroidism 8 Other 291
Hemoglobin Disorders			
Hemoglobin Disorders	Hemoglobin SS	134	Hemoglobin S + S (sickle cell) disease 127
	Hemoglobin SC	76	Hemoglobin S + C disease 76
	Hemoglobin CC	33	Hemoglobin C + C disease 26
	Other Hemoglobins	66	Other Hemoglobinopathies 51
Infectious Disease			
HIV	HIV-1 Antibodies	401	Confirmed by diagnosis developed by the AIDS Institute
Amino Acid Disorders			
Maple Syrup Urine Disease	Leucine	5	Maple Syrup Urine disease 1 Hydroxyprolinemia 0
			Homocystinuria
Phenylketonuria	Phenylalanine	24	Phenylketonuria (PKU) 5 Hyperphenylalaninemia 17
Tyrosinemia Type I	Succinylacetone	0	Tyrosinemia Type 1 0
Tyrosinemia Type II, III	Tyrosine	8	Tyrosinemia Type 2 0 Tyrosinemia Type 3 0
Fatty Acid Oxidation Disorders			
Carnitine uptake defect	Free Carnitine (C0), Total Acylcarnitines (SUM AC)	20	Carnitine uptake defect (CUD) 2
Carnitine palmitoyltransferase 1 deficiency	C0/(C16 + C18)	0	Carnitine palmitoyltransferase 1 (CPT1) deficiency 0
Carnitine palmitoyltransferase 2 deficiency/Carnitine/acylcarnitine translocase (CACT) deficiency	Hexadecanoylcarnitine (C16), Octadecanoylcarnitine (C18:1)	10	Carnitine palmitoyltransferase 2 (CPT2) deficiency 1
2,4-Dienoyl-CoA reductase deficiency	Decadienoylcarnitine (C10:2)	0	2,4-Dienoyl-CoA (2,4Di) reductase deficiency 0
Long-chain 3-hydroxyacyl-CoA dehydrogenase deficiency/Trifunctional protein deficiency	Hydroxyhexadecanoylcarnitine (C16OH), Hydroxyoctadecanoylcarnitine (C18:1OH)	3	Long-chain 3-hydroxyacyl-CoA dehydrogenase (LCHAD) deficiency 0 Trifunctional protein (TFP) deficiency 0
			Multiple acyl-CoA dehydrogenase deficiency/Medium-chain acyl-CoA dehydrogenase deficiency/Medium-chain 3-keto acyl-CoA thiolase deficiency
Very long-chain acyl-CoA dehydrogenase deficiency	Tetradecanoylcarnitine (C14), Tetradecenoylcarnitine (C14:1)	7	Very long-chain acyl-CoA dehydrogenase (VLCAD) deficiency 2

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Short-chain acyl-CoA dehydrogenase deficiency	Butyrylcarnitine (C4)	24	Short-chain acyl-CoA dehydrogenase (SCAD) deficiency	11
			Isobutyryl-CoA dehydrogenase (IBCD) deficiency	2
Medium/short-chain hydroxyl CoA dehydrogenase deficiency	Hydroxybutyrylcarnitine (C4OH), Hydroxyhexanoylcarnitine (C6OH)	2	Medium/short-chain hydroxyl CoA dehydrogenase (M/SCHAD) deficiency	0
Organic Acid Disorders				
Mitochondrial acetoacetyl-CoA thiolase deficiency/2-Methyl-3-hydroxybutyryl-CoA-dehydrogenase deficiency	Tiglylcarnitine (C5:1)	0	Mitochondrial acetoacetyl-CoA thiolase deficiency - beta-ketothiolase (BKT) deficiency	0
			2-Methyl-3-hydroxybutyryl-CoA-dehydrogenase (MHBD) deficiency	0
Glutaryl-CoA dehydrogenase deficiency	Glutarylcarnitine (C5DC)	4	Glutaryl-CoA dehydrogenase deficiency - glutaric aciduria (GA-I)	2
Isovaleryl CoA dehydrogenase deficiency/2-methylbutyryl-CoA dehydrogenase deficiency	Isovalerylcarnitine (C5)	4	Isovaleryl CoA dehydrogenase deficiency - isovaleric acidemia (IVA)	2
			2-Methylbutyrylglycinuria (2MBG) - 2-methylbutyryl-CoA dehydrogenase (2MBCD) deficiency - short/branched chain acyl-CoA dehydrogenase (SBCAD) deficiency	0
3-Methylcrotonyl-CoA carboxylase deficiency/2-Methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency/3-Methylglutaconic aciduria	Hydroxyisovalerylcarnitine (C5OH)	39	3-Methylcrotonyl-CoA carboxylase (3MCC) deficiency	13
			3-Hydroxy-3-methylglutaryl-CoA lyase (HMG) deficiency	0
			2-Methyl-3-hydroxybutyryl-CoA dehydrogenase (MHBD) deficiency - 2-Methyl-3-hydroxybutric acidemia (2M3HBA)	0
			3-Methylglutaconic aciduria (3MGA)	1
Malonyl-CoA decarboxylase deficiency	Malonylcarnitine (C3DC)	1	Malonyl-CoA decarboxylase deficiency - Malonic Aciduria (MA)	1
Propionyl-CoA carboxylase deficiency/Methylmalonyl-CoA mutase deficiency	Propionylcarnitine (C3), Methylmalonylcarnitine (C4DC)	43	Propionyl-CoA carboxylase deficiency (PA)	1
			Methylmalonyl-CoA mutase deficiency (MMA)	0
			Cobalamin A/B deficiency	1
			Cobalamin C/D/F deficiency	0
			Multiple Carboxylase deficiency	0
Urea Cycle Disorders				
Argininosuccinic aciduria/Citrullinemia	Citrulline	4	Argininosuccinic aciduria	0
			Citrullinemia	1
Argininemia	Arginine	1	Argininemia	1
Lysosomal Storage Disorders				
Krabbe Disease	Galactocerebrosidase	47	Krabbe disease possible late onset	1
Pompe Disease	Alpha-glucosidase deficiency	45	Infantile-onset Pompe Disease	1
			Possible late-onset Pompe disease	20
Other Genetic Conditions				
Adrenoleukodystrophy	C26:0 Lysophosphatidylcholine (C26:0 LPC)	22	Male with X-linked Adrenoleukodystrophy (X-ALD)	5
			Female carrier of X-ALD	6
			Zellweger Syndrome	1
			Other Peroxisomal Biogenesis Disorder	0
Biotinidase Deficiency	Biotinidase	6	Biotinidase Deficiency	5
Cystic Fibrosis	Immunoreactive Trypsin	838	Cystic Fibrosis	30
Galactosemia	Galactose Transferase	5	Galactosemia	4
Severe Combined Immunodeficiency (SCID)	T-cell receptor excision circles	93	Classic SCID	5
			Leaky SCID	0
			Variant SCID	6
Total		2992		838

* Infants classified as confirmed for Krabbe disease include those at high risk for disease based on confirmatory enzyme activity testing