

Screened Disorders	Analytes	Referrals	# Confirmed with Disease
Endocrine Disorders			
Congenital Adrenal Hyperplasia	17-hydroxyprogesterone	140	Congenital adrenal hyperplasia - 21-Hydroxylase deficiency 12 Congenital adrenal hyperplasia, other enzyme deficiency 2
Congenital Hypothyroidism	Thyroxine, TSH	864	Primary Congenital Hypothyroidism 112 Secondary Congenital Hypothyroidism 4 Other 258
Hemoglobin Disorders			
Hemoglobin Disorders	Hemoglobin SS	145	Hemoglobin S + S (sickle cell) disease 133
	Hemoglobin SC	59	Hemoglobin S + C disease 54
	Hemoglobin CC	25	Hemoglobin C + C disease 21
	Other Hemoglobins	45	Other Hemoglobinopathies 43
Infectious Disease			
HIV	HIV-1 Antibodies	408	Confirmed by diagnosis developed by the AIDS Institute
Amino Acid Disorders			
Maple Syrup Urine Disease	Leucine	6	Maple Syrup Urine disease 3
			Hydroxyprolinemia 0
Homocystinuria	Methionine	3	Homocystinuria 0
			Hypermethioninemia 0
Phenylketonuria	Phenylalanine	31	Phenylketonuria (PKU) 10
			Hyperphenylalaninemia 8
Tyrosinemia Type I	Succinylacetone	5	Tyrosinemia Type 1 6
Tyrosinemia Type II, III	Tyrosine	9	Tyrosinemia Type 2 0
			Tyrosinemia Type 3 0
Fatty Acid Oxidation Disorders			
Carnitine uptake defect	Free Carnitine (C0), Total Acylcarnitines (SUM AC)	33	Carnitine uptake defect (CUD) 5
Carnitine palmitoyltransferase 1 deficiency	C0/(C16 + C18)	2	Carnitine palmitoyltransferase 1 (CPT1) deficiency 1
Carnitine palmitoyltransferase 2 deficiency/Carnitine/Acylcarnitine translocase deficiency	Hexadecanoylcarnitine (C16), Octadecanoylcarnitine (C18:1)	22	Carnitine palmitoyltransferase 2 (CPT2) deficiency 0
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)	2	Long-chain 3-hydroxyacyl-CoA dehydrogenase (LCHAD) deficiency 0
			Trifunctional protein (TFP) deficiency 1
Multiple acyl-CoA dehydrogenase deficiency/Medium-chain acyl-CoA dehydrogenase deficiency/Medium-chain 3-keto acyl-CoA thiolase deficiency	Hexanoylcarnitine (C6), Octanoylcarnitine (C8)	31	Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency 7
			Multiple acyl-CoA dehydrogenase (MAD) deficiency - glutaric acidemia type II (GA-II) 2
			Medium-chain 3-keto acyl-CoA thiolase (MCAT) deficiency 0
Very long-chain acyl-CoA dehydrogenase deficiency	Tetradecanoylcarnitine (C14), Tetradecenoylcarnitine (C14:1)	12	Very long-chain acyl-CoA dehydrogenase (VLCAD) deficiency 5

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Short-chain acyl-CoA dehydrogenase deficiency	Butyrylcarnitine (C4)	28	Short-chain acyl-CoA dehydrogenase (SCAD) deficiency	11
			Isobutyryl-CoA dehydrogenase (IBCD) deficiency	0
Medium/short-chain hydroxyl CoA dehydrogenase deficiency	Hydroxybutyrylcarnitine (C4OH), Hydroxyhexanoylcarnitine (C6OH)	0	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
Glutaryl-CoA dehydrogenase deficiency	Glutaryl carnitine (C5DC)	10	2-Methyl-3-hydroxybutyryl-CoA-dehydrogenase (MHBD) deficiency	0
			Glutaryl-CoA dehydrogenase deficiency - glutaric aciduria (GA-I)	0
Isovaleryl CoA dehydrogenase deficiency/2-methylbutyryl-CoA dehydrogenase deficiency	Isovalerylcarnitine (C5)	4	Isovaleryl CoA dehydrogenase deficiency - isovaleric acidemia (IVA)	1
			2-Methylbutyrylglycinuria (2MBG) - 2-methylbutyryl-CoA dehydrogenase (2MBCD) deficiency - short/branched chain acyl-CoA dehydrogenase (SBCAD) deficiency	1
3-Methylcrotonyl-CoA carboxylase deficiency/2-Methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency/3-Methylglutaconic aciduria	Hydroxyisovalerylcarnitine (C5OH)	43	3-Methylcrotonyl-CoA carboxylase (3MCC) deficiency	11
			3-Hydroxy-3-methylglutaryl-CoA lyase (HMG) deficiency	0
			2-Methyl-3-hydroxybutyryl-CoA dehydrogenase (MHBD) deficiency - 2-Methyl-3-hydroxybutric acidemia (2M3HBA)	0
Malonyl-CoA decarboxylase deficiency	Malonylcarnitine (C3DC)	0	3-Methylglutaconic aciduria (3MGA)	1
			Malonyl-CoA decarboxylase deficiency - Malonic Aciduria (MA)	0
Propionyl-CoA carboxylase deficiency/Methylmalonyl-CoA mutase deficiency	Propionylcarnitine (C3), Methylmalonylcarnitine (C4DC)	35	Propionyl-CoA carboxylase deficiency (PA)	1
			Methylmalonyl-CoA mutase deficiency (MMA)	0
			Cobalamin A/B deficiency	0
			Cobalamin C/D/F deficiency	0
			Multiple Carboxylase deficiency	0
Urea Cycle Disorders				
Argininosuccinic aciduria/Citrullinemia	Citrulline	2	Argininosuccinic aciduria	0
Argininemia	Arginine	1	Citrullinemia	1
			Argininemia	0
Lysosomal Storage Disorders				
Krabbe Disease	Galactocerebrosidase	42	Krabbe disease possible late onset *	6
Pompe Disease	Alpha-glucosidase	28	Infantile-onset Pompe Disease	1
			Possible late-onset Pompe disease	5
Other Genetic Conditions				
Adrenoleukodystrophy	C26:0 Lysophosphatidylcholine (C26:0 LPC)	18	Male with X-linked Adrenoleukodystrophy (X-ALD)	7
			Female carrier of X-ALD	4
			Zellweger Syndrome	4
			Other Peroxisomal Biogenesis Disorder	0
Biotinidase Deficiency	Biotinidase	6	Biotinidase Deficiency	3
Cystic Fibrosis	Immunoreactive Trypsin	730	Cystic Fibrosis	30
Galactosemia	Galactose Transferase	7	Galactosemia	7
			Classic SCID	6
Severe Combined Immunodeficiency (SCID)	T-cell receptor excision circles (TRECS)	95	Leaky SCID	0
			Variant SCID	0
Total		2891		787

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