

Screened Disorders	Analytes	Referrals	# Confirmed with Disease			
Endocrine Disorders						
Congenital Adrenal Hyperplasia	17-hydroxyprogesterone	96	Congenital adrenal hyperplasia - 21-Hydroxylase deficiency 7 Congenital adrenal hyperplasia, other enzyme deficiency 1			
Congenital Hypothyroidism	Thyroxine, TSH	911	Primary Congenital Hypothyroidism 76 Secondary Congenital Hypothyroidism 4 Other 164			
Hemoglobin Disorders						
Hemoglobin Disorders	Hemoglobin SS	142	Hemoglobin S + S (sickle cell) disease 122			
	Hemoglobin SC	64	Hemoglobin S + C disease 48			
	Hemoglobin CC	23	Hemoglobin C + C disease 12			
	Other Hemoglobins	61	Other Hemoglobinopathies 20			
Infectious Disease						
HIV	HIV Antibodies	375	Confirmed by diagnosis developed by the AIDS Institute			
Amino Acid Disorders						
Maple Syrup Urine Disease	Leucine	7	Maple Syrup Urine disease 2 Hydroxyprolinemia 0			
			Homocystinuria	Methionine	9	Homocystinuria 0 Hypermethioninemia 1
Phenylketonuria	Phenylalanine	27				Phenylketonuria (PKU) 14 Hyperphenylalaninemia 7
			Tyrosinemia Type I	Succinylacetone	2	Tyrosinemia Type 1 1
Tyrosinemia Type II, III	Tyrosine	6	Tyrosinemia Type 2 0 Tyrosinemia Type 3 0			
			Fatty Acid Oxidation Disorders			
Carnitine uptake defect	Free Carnitine (C0), Total Acylcarnitines (SUM AC)	17	Carnitine uptake defect (CUD) 0			
Carnitine palmitoyltransferase 1 deficiency	C0/(C16 + C18)	2	Carnitine palmitoyltransferase 1 (CPT1) deficiency 0			
Carnitine palmitoyltransferase 2 deficiency/Carnitine/Acylcarnitine translocase deficiency	Hexadecanoylcarnitine (C16), Octadecanoylcarnitine (C18:1)	8	Carnitine palmitoyltransferase 2 (CPT2) deficiency 2			
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)	1	Long-chain 3-hydroxyacyl-CoA dehydrogenase (LCHAD) deficiency 1 Trifunctional protein (TFP) deficiency 0			
			Multiple acyl-CoA dehydrogenase deficiency/Medium-chain acyl-CoA dehydrogenase deficiency/Medium-chain 3-keto acyl-CoA thiolase deficiency	Hexanoylcarnitine (C6), Octanoylcarnitine (C8)	11	Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency 4 Multiple acyl-CoA dehydrogenase (MAD) deficiency - glutaric acidemia type II (GA-II) 1 Medium-chain 3-keto acyl-CoA thiolase (MCKAT) deficiency 0
Very long-chain acyl-CoA dehydrogenase deficiency	Tetradecanoylcarnitine (C14), Tetradecenoylcarnitine (C14:1)	12				Very long-chain acyl-CoA dehydrogenase (VLCAD) deficiency 6

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Short-chain acyl-CoA dehydrogenase deficiency	Butyrylcarnitine (C4)	34	Short-chain acyl-CoA dehydrogenase (SCAD) deficiency	12
			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)	1	Mitochondrial acetoacetyl-CoA thiolase deficiency - beta-ketothiolase (BKT) deficiency	1
			2-Methyl-3-hydroxybutyryl-CoA-dehydrogenase (MHBD) deficiency	0
Glutaryl-CoA dehydrogenase deficiency	Glutarylcarnitine (C5DC)	7	Glutaryl-CoA dehydrogenase deficiency - glutaric aciduria (GA-I)	2
Isovaleryl CoA dehydrogenase deficiency/2-methylbutyryl-CoA dehydrogenase deficiency	Isovalerylcarnitine (C5)	5	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)	46	3-Methylcrotonyl-CoA carboxylase (3MCC) deficiency	4
			3-Hydroxy-3-methylglutaryl-CoA lyase (HMG) deficiency	0
			2-Methyl-3-hydroxybutyryl-CoA dehydrogenase (MHBD) deficiency - 2-Methyl-3-hydroxybutyric 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)	31	Propionyl-CoA carboxylase deficiency (PA)	0
			Methylmalonyl-CoA mutase deficiency (MMA)	2
			Cobalamin A/B deficiency	0
			Cobalamin C/D/F deficiency	3
			Multiple Carboxylase deficiency	0
Urea Cycle Disorders				
Argininosuccinic aciduria/Citrullinemia	Citrulline	4	Argininosuccinic aciduria	0
			Citrullinemia	0
Argininemia	Arginine	0	Argininemia	0
Lysosomal Storage Disorders				
Krabbe Disease	Galactocerebrosidase	17	Krabbe disease possible late onset *	9
Mucopolysaccharidosis Type I	alpha-L-iduronidase	15	MPS 1	0
Pompe Disease	Alpha-glucosidase	21	Infantile-onset Pompe Disease	0
			Possible late-onset Pompe disease	6
Other Genetic Conditions				
Adrenoleukodystrophy	C26:0 Lysophosphatidylcholine (C26:0 LPC)	19	Male with X-linked Adrenoleukodystrophy (X-ALD)	2
			Female carrier of X-ALD	0
			Zellweger Syndrome	2
			Other Peroxisomal Biogenesis Disorder	0
Biotinidase Deficiency	Biotinidase	5	Biotinidase Deficiency	4
Cystic Fibrosis	Immunoreactive Trypsin	137	Cystic Fibrosis	21
Spinal Muscular Atrophy	SMN1 gene, exon 7 deletion	10	Spinal Muscular Atrophy	10
GAMT	Guanidinoacetate	15	Guanidinoacetate methyltransferase deficiency	0
Galactosemia	Galactose Transferase	1	Galactosemia	1
			Classic SCID	5
Severe Combined Immunodeficiency (SCID)	T-cell receptor excision circles (TRECS)	146	Leaky SCID	1
			Variant SCID	0
Total		2289		582

* Infants classified as confirmed for Krabbe disease include those at high risk for

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