

Screened Disorders	Analytes	Referrals	# Confirmed with Disease	
<b>Endocrine Disorders</b>				
Congenital Adrenal Hyperplasia	17-hydroxyprogesterone	178	Congenital adrenal hyperplasia - 21-Hydroxylase deficiency	14
			Congenital adrenal hyperplasia, other enzyme deficiency	0
Congenital Hypothyroidism	Thyroxine, TSH	911	Primary Congenital Hypothyroidism	108
			Secondary Congenital Hypothyroidism	8
			Other	260
<b>Hemoglobin Disorders</b>				
Hemoglobin Disorders	Hemoglobin SS	120	Hemoglobin S + S (sickle cell) disease	92
	Hemoglobin SC	57	Hemoglobin S + C disease	48
	Hemoglobin CC	19	Hemoglobin C + C disease	14
	Other Hemoglobins	37	Other Hemoglobinopathies	34
<b>Infectious Disease</b>				
HIV	HIV Antibodies	351	Confirmed by diagnosis developed by the AIDS Institute	
<b>Amino Acid Disorders</b>				
Maple Syrup Urine Disease	Leucine	2	Maple Syrup Urine disease	1
			Hydroxyprolinemia	0
Homocystinuria	Methionine	2	Homocystinuria	1
			Hypermethioninemia	0
Phenylketonuria	Phenylalanine	29	Phenylketonuria (PKU)	20
			Hyperphenylalaninemia	4
Tyrosinemia Type I	Succinylacetone	5	Tyrosinemia Type 1	5
Tyrosinemia Type II, III	Tyrosine	6	Tyrosinemia Type 2	0
			Tyrosinemia Type 3	0
<b>Fatty Acid Oxidation Disorders</b>				
Carnitine uptake defect	Free Carnitine (C0), Total Acylcarnitines (SUM AC)	15	Carnitine uptake defect (CUD)	3
Carnitine palmitoyltransferase 1 deficiency	C0/(C16 + C18)	3	Carnitine palmitoyltransferase 1 (CPT1) deficiency	1
Carnitine palmitoyltransferase 2 deficiency/Carnitine/Acylcarnitine translocase deficiency	Hexadecanoylcarnitine (C16), Octadecanoylcarnitine (C18:1)	14	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)	0	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	Hexanoylcarnitine (C6), Octanoylcarnitine (C8)	19	Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency	11
			Multiple acyl-CoA dehydrogenase (MAD) deficiency - glutaric acidemia type II (GA-II)	2
			Medium-chain 3-keto acyl-CoA thiolase (MCKAT) deficiency	0
Very long-chain acyl-CoA dehydrogenase deficiency	Tetradecanoylcarnitine (C14), Tetradecanoylcarnitine (C14:1)	10	Very long-chain acyl-CoA dehydrogenase (VLCAD) deficiency	2

Screened Disorders	Analytes	Referrals	# Confirmed with Disease	
Short-chain acyl-CoA dehydrogenase deficiency	Butyrylcarnitine (C4)	21	Short-chain acyl-CoA dehydrogenase (SCAD) deficiency	9
			Isobutyryl-CoA dehydrogenase (IBCD) deficiency	1
Medium/short-chain hydroxyl CoA dehydrogenase deficiency	Hydroxybutyrylcarnitine (C4OH), Hydroxyhexanoylcarnitine (C6OH)	0	Medium/short-chain hydroxyl CoA dehydrogenase (M/SCHAD) deficiency	0
<b>Organic Acid Disorders</b>				
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)	5	2-Methyl-3-hydroxybutyryl-CoA-dehydrogenase (MHBD) deficiency	0
			Glutaryl-CoA dehydrogenase deficiency - glutaric aciduria (GA-I)	3
Isovaleryl CoA dehydrogenase deficiency/2-methylbutyryl-CoA dehydrogenase deficiency	Isovalerylcarnitine (C5)	6	Isovaleryl CoA dehydrogenase deficiency - isovaleric acidemia (IVA)	0
			2-Methylbutyrylglycinuria (2MBG) - 2-methylbutyryl-CoA dehydrogenase (2MBCD) deficiency - short/branched chain acyl-CoA dehydrogenase (SBCAD) deficiency	2
3-Methylcrotonyl-CoA carboxylase deficiency/2-Methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency/3-Methylglutaconic aciduria	Hydroxyisovalerylcarnitine (C5OH)	44	3-Methylcrotonyl-CoA carboxylase (3MCC) deficiency	8
			3-Hydroxy-3-methylglutaryl-CoA lyase (HMG) deficiency	1
			2-Methyl-3-hydroxybutyryl-CoA dehydrogenase (MHBD) deficiency - 2-Methyl-3-hydroxybutric acidemia (2M3HBA)	0
Malonyl-CoA decarboxylase deficiency	Malonylcarnitine (C3DC)		3-Methylglutaconic aciduria (3MGA)	0
			Malonyl-CoA decarboxylase deficiency - Malonic Aciduria (MA)	0
Propionyl-CoA carboxylase deficiency/Methylmalonyl-CoA mutase deficiency	Propionylcarnitine (C3), Methylmalonylcarnitine (C4DC)	25	Propionyl-CoA carboxylase deficiency (PA)	2
			Methylmalonyl-CoA mutase deficiency (MMA)	1
			Cobalamin A/B deficiency	0
			Cobalamin C/D/F deficiency	1
			Multiple Carboxylase deficiency	0
<b>Urea Cycle Disorders</b>				
Argininosuccinic aciduria/Citrullinemia	Citrulline	12	Argininosuccinic aciduria	0
Argininemia	Arginine	2	Citrullinemia	6
			Argininemia	0
<b>Lysosomal Storage Disorders</b>				
Krabbe Disease	Galactocerebrosidase	24	Krabbe disease possible late onset *	7
Mucopolysaccharidosis Type I	alpha-L-iduronidase	3	MP5 1	0
Pompe Disease	Alpha-glucosidase	22	Infantile-onset Pompe Disease	1
			Possible late-onset Pompe disease	4
<b>Other Genetic Conditions</b>				
Adrenoleukodystrophy	C26:0 Lysophosphatidylcholine (C26:0 LPC)	11	Male with X-linked Adrenoleukodystrophy (X-ALD)	3
			Female carrier of X-ALD	4
			Zellweger Syndrome	2
			Other Peroxisomal Biogenesis Disorder	2
Biotinidase Deficiency	Biotinidase	4	Biotinidase Deficiency	3
Cystic Fibrosis	Immunoreactive Trypsin	128	Cystic Fibrosis	30
Spinal Muscular Atrophy	SMN1 gene, exon 7 deletion	1	Spinal Muscular Atrophy	1
GAMT	Guanidinoacetate	1	Guanidinoacetate methyltransferase deficiency	0
Galactosemia	Galactose Transferase	3	Galactosemia	3
			Classic SCID	6
Severe Combined Immunodeficiency (SCID)	T-cell receptor excision circles (TRECS)	134	Leaky SCID	0
			Variant SCID	1
<b>Total</b>		<b>2224</b>		<b>730</b>

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