

Screened Disorders	Analytes	Referrals	# Confirmed with Disease
<b>Endocrine Disorders</b>			
Congenital Adrenal Hyperplasia	17-hydroxyprogesterone	143	Congenital adrenal hyperplasia - 21-Hydroxylase deficiency 10 Congenital adrenal hyperplasia, other enzyme deficiency 0
Congenital Hypothyroidism	Thyroxine, TSH	546	Primary Congenital Hypothyroidism 86 Secondary Congenital Hypothyroidism 6 Other 254
<b>Hemoglobin Disorders</b>			
Hemoglobin Disorders	Hemoglobin SS	117	Hemoglobin S + S (sickle cell) disease 93
	Hemoglobin SC	61	Hemoglobin S + C disease 55
	Hemoglobin CC	26	Hemoglobin C + C disease 17
	Other Hemoglobins	57	Other Hemoglobinopathies 40
<b>Infectious Disease</b>			
HIV	HIV-1 Antibodies	421	Confirmed by diagnosis developed by the AIDS Institute
<b>Amino Acid Disorders</b>			
Maple Syrup Urine Disease	Leucine	5	Maple Syrup Urine disease 1 Hydroxyprolinemia 0
			Homocystinuria
Phenylketonuria	Phenylalanine	22	Phenylketonuria (PKU) 6 Hyperphenylalaninemia 5
Tyrosinemia Type I	Succinylacetone	1	Tyrosinemia Type 1 1
Tyrosinemia Type II, III	Tyrosine	5	Tyrosinemia Type 2 0 Tyrosinemia Type 3 0
<b>Fatty Acid Oxidation Disorders</b>			
Carnitine uptake defect	Free Carnitine (C0), Total Acylcarnitines (SUM AC)	32	Carnitine uptake defect (CUD) 7
Carnitine palmitoyltransferase 1 deficiency	C0/(C16 + C18)	1	Carnitine palmitoyltransferase 1 (CPT1) deficiency 0
Carnitine palmitoyltransferase 2 deficiency/Carnitine/Acylcarnitine translocase deficiency	Hexadecanoylcarnitine (C16), Octadecanoylcarnitine (C18:1)	13	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)	1	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)	21
Very long-chain acyl-CoA dehydrogenase deficiency	Tetradecanoylcarnitine (C14), Tetradecenoylcarnitine (C14:1)	10	Very long-chain acyl-CoA dehydrogenase (VLCAD) deficiency 3

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Short-chain acyl-CoA dehydrogenase deficiency	Butyrylcarnitine (C4)	29	Short-chain acyl-CoA dehydrogenase (SCAD) deficiency	10
			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
			2-Methyl-3-hydroxybutyryl-CoA-dehydrogenase (MHBD) deficiency	0
Glutaryl-CoA dehydrogenase deficiency	Glutarylcarnitine (C5DC)	3	Glutaryl-CoA dehydrogenase deficiency - glutaric aciduria (GA-I)	0
Isovaleryl CoA dehydrogenase deficiency/2-methylbutyryl-CoA dehydrogenase deficiency	Isovalerylcarnitine (C5)	0	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	0
3-Methylcrotonyl-CoA carboxylase deficiency/2-Methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency/3-Methylglutaconic aciduria	Hydroxyisovalerylcarnitine (C5OH)	50	3-Methylcrotonyl-CoA carboxylase (3MCC) deficiency	10
			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)	0
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)	37	Propionyl-CoA carboxylase deficiency (PA)	1
			Methylmalonyl-CoA mutase deficiency (MMA)	2
			Cobalamin A/B deficiency	0
			Cobalamin C/D/F deficiency	1
			Multiple Carboxylase deficiency	0
<b>Urea Cycle Disorders</b>				
Argininosuccinic aciduria/Citrullinemia	Citrulline	3	Argininosuccinic aciduria	0
Argininemia	Arginine	1	Citrullinemia	1
			Argininemia	0
<b>Lysosomal Storage Disorders</b>				
Krabbe Disease	Galactocerebrosidase	45	Krabbe disease possible late onset *	7
Pompe Disease	Alpha-glucosidase	35	Infantile-onset Pompe Disease	2
			Possible late-onset Pompe disease	7
<b>Other Genetic Conditions</b>				
Adrenoleukodystrophy	C26:0 Lysophosphatidylcholine (C26:0 LPC)	15	Male with X-linked Adrenoleukodystrophy (X-ALD)	3
			Female carrier of X-ALD	1
			Zellweger Syndrome	0
			Other Peroxisomal Biogenesis Disorder	1
Biotinidase Deficiency	Biotinidase	4	Biotinidase Deficiency	3
Cystic Fibrosis	Immunoreactive Trypsin	817	Cystic Fibrosis	29
Galactosemia	Galactose Transferase	5	Galactosemia	3
Severe Combined Immunodeficiency (SCID)	T-cell receptor excision circles (TRECS)	120	Classic SCID	6
			Leaky SCID	0
			Variant SCID	3
<b>Total</b>		<b>2652</b>		<b>683</b>

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