Sample / Tests	Serum	Plasma	Whole Blood	CSF	Urine R	Urine 24h	Saliva
Amino Acids Disorders							
Amino Acids		✓		✓	✓		
Phenylalanine		✓					
Tyrosine		✓					
Homocysteine		✓					
S-AdoMet & S-AdoHcy		✓					
Orotic Acid					✓		
Succinylacetone	✓	✓			✓		
Cystine	✓				✓	✓	
Cystinuria Panel					✓		
Trimethylamine					✓		
Dimethylglycine					✓		
Organic Acidemias							
Organic Acids Profile (acyglycines, purines, pyrimidines, bile acids are included)					✓		
Glutaric Acid	✓				✓		
Homogentisic Acid					✓		
Biotinidase Activity	✓	✓					
Fatty Acids Oxidation Disorders							
Acylcarnitines Profile		✓					
L-Carnitine	✓	✓			✓		
Pyridoxine Dependent Epilepsy Panel							
Pipecolic Acid	✓	✓					
a-Aminoadipic Semialdehyde		✓			✓		

Sample / Tests	Serum	Plasma	Whole Blood	CSF	Urine R	Urine 24h	Saliva
Piperideine-6-carboxylate		✓					
Monoamine Neurotransmitter Disorders							
Homovanillic Acid (HVA) & 5-Hydroxyindol Acetic Acid (5-HIAA)				✓	✓	✓	
Serotonin	✓	✓			✓	✓	
3-O-Methyldopa		✓			✓		
Lysosomal Storage Disorders (LSD) Panel							
Total Mucopolysaccharides (MPS or GAG)					✓		
Sphingolipidoses,Multiplex Biomarker Screening Test			✓				
Bile Acids Disorders							
Bile Acids and Intermediates	✓				✓		
Folate Disorders							
Methyl-tetrahydrofolate				✓			
Porphyrias							
Aminolevulinic Acid (ALA)					✓		
Porphobilinogen					✓		
Porphyrines					✓		
Creatine Synthesis Defects							
Creatine Disorders Panel (creatine and guanidinoacetate)		✓			✓		
Galactosemia and Carbohydrate Disorders Disorders							
Galactosemia Multiplex Enzyme Assay (GALK, GALT, GALE)			✓				
Galactose-1-Phosphate			✓				
Galactitol					✓		
Sugar Chromatography					✓		

Sample / Tests	Serum	Plasma	Whole Blood	CSF	Urine R	Urine 24h	Saliva
Purines & Pyrimidines Disorders							
Purines and Pyrimidines Disorders Panel					✓		
Cystinosis							
Cystine in leukocyte			✓				
Peroxisomal Disorders							
Very Long Chain & Branched Chain Fatty Acids (VLCFAs) (C22:0, C24:0, C26:0, pristanic, phytanic)		✓					
Pipecolic Acid		✓					
Congenital Disorders of Glycosylation (CDG)							
Sialotransferrin Profile	✓						
Panel A							
Amino Acids		✓					
Organic Acids					✓		
Acylcarnitine		✓					
Autism Panel							
Amino Acids		✓					
Organic Acids					✓		
Acylcarnitine		✓					
Creatine Disorders Panel (creatine and guanidinoacetate)		✓			✓		
Refractory Seizure Panel							
Amino Acids		✓			✓		
Organic Acids					✓		
Acylcarnitine		✓					
Creatine Disorders Panel (creatine and		✓			✓		

Sample / Tests	Serum	Plasma	Whole Blood	CSF	Urine R	Urine 24h	Saliva
guanidinoacetate)							
Very Long Chain & Branched Chain Fatty Acids (VLCFAs) (C22:0, C24:0, C26:0, pristanic, phytanic)		✓					
Sialotransferrin Profile	✓						
Sphingolipidoses, Multiplex Biomarker Screening Test			✓				
Others							
Pyruvate			✓				
Lactate		✓					
Ammonium		✓					