

# **DISORDERS INCLUDED IN THE TEXAS NEWBORN SCREENING PANEL**

## **BLOODSPOT TESTING CONDUCTED AT DSHS LABORATORY**

### **AMINO ACID DISORDERS:**

Argininosuccinic Acidemia (ASA)  
Argininemia (ARG)  
Benign hyperphenylalaninemia (H-PHE)  
Biotpterin defect in cofactor biosynthesis (BIOPT BS)  
Biotpterin defect in cofactor regeneration (BIOPT REG)  
Citrullinemia, Type I (CIT)  
Citrullinemia, Type II (CIT II)  
Homocystinuria (HCY)  
Hypermethioninemia (MET)  
Maple Syrup Urine Disease (MSUD)  
Phenylketonuria (PKU)  
Tyrosinemia, Type I (TYR I)  
Tyrosinemia, Type II (TYR II)  
Tyrosinemia, Type III (TYR III)

### **FATTY ACID DISORDERS:**

Medium-Chain Acyl-CoA Dehydrogenase Deficiency (MCAD)  
Very Long-Chain Acyl-CoA Dehydrogenase Deficiency (VLCAD)  
Long Chain 3-Hydroxyacyl-CoA Dehydrogenase Deficiency (LCHAD)  
Medium/Short-Chain L-3-Hydroxyacyl-CoA Dehydrogenase Deficiency (M/SCHAD)  
Medium-Chain Ketoacyl-CoA Thiolase Deficiency (MCKAT)  
Carnitine Uptake Deficiency (CUD)  
Carnitine Palmitoyltransferase Type IA deficiency (CPT IA)  
Carnitine Palmitoyltransferase Type II deficiency (CPT II)  
Carnitine Acylcarnitine Translocase Deficiency (CACT)  
Glutaric Acidemia Type 2 (GA2)  
Trifunctional Protein Deficiency (TFP)  
2,4 Dienoyl-CoA Reductase Deficiency (DE RED)  
Short-Chain Acyl-CoA Dehydrogenase Deficiency (SCAD)

### **ORGANIC ACID DISORDERS:**

Glutaric Acidemia Type 1 (GA1)  
3-Hydroxy-3-Methylglutaric Aciduria (HMG)  
2-Methylbutyrylglycinuria (2MBG)  
3-Methylglutaconic Aciduria (3MGA)  
2-Methyl-3-Hydroxybutyric Aciduria (2M3HBA)  
Isovaleric Acidemia (IVA)  
Isobutyrylglycinuria (IBG)  
Multiple Carboxylase Deficiency (MCD)  
3-Methylcrotonyl-CoA Carboxylase Deficiency (3-MCC)  
Malonic Acidemia (MAL)  
Methylmalonic Acidemia (methylmalonyl-CoA mutase) (MUT)  
Methylmalonic Acidemia (cobalamin disorders) (Cbl A,B)

Methylmalonic Acidemia with Homocystinuria (Cbl C, D)  
Propionic Acidemia (PROP)  
Beta-Ketothiolase Deficiency (BKT)

**ENDOCRINE DISORDERS:**

Congenital Hypothyroidism (CH)  
Congenital Adrenal Hyperplasia (CAH)

**HEMOGLOBINOPATHIES including:**

Hb S/S  
Hb S/C  
Hb S-Beta thalassemia  
Various other hemoglobinopathies (Var Hb)

**OTHER DISORDERS**

Cystic Fibrosis (CF)  
Galactosemia (GALT)  
Biotinidase Deficiency (BIOT)  
Severe Combined Immunodeficiency (SCID)  
T-cell related lymphocyte deficiencies

**POINT OF CARE SCREENING CONDUCTED AT BIRTHING FACILITY**

**Hearing**

**Critical Congenital Heart Disease**