TEXAS Health and Human Services

Texas Department of State Health Services

TEXAS NEWBORN SCREENING PANEL

BLOODSPOT TESTING (conducted at DSHS Laboratory)

Amino Acid Disorders

Core Conditions	Secondary Conditions
• Argininosuccinic Aciduria (ASA) • Citrullinemia, Type I (CIT) • Homocystinuria (HCY) • Maple Syrup Urine Disease (MSUD) • Classic Phenylketonuria (PKU) • Tyrosinemia, Type I (TYR I)	• Argininemia (ARG) • Benign Hyperphenylalaninemia (H-PHE) • Biopterin defect in cofactor biosynthesis (BIOPT BS) • Biopterin defect in cofactor regeneration (BIOPT REG) • Citrullinemia, Type II (CIT II) • Hypermethioninemia (MET) • Tyrosinemia, Type II (TYR II) • Tyrosinemia, Type III (TYR III)

Fatty Acid Disorders

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

Organic Acid Disorders

Core Conditions	Secondary Conditions
• 3-Methylcrotonyl-CoA Carboxylase Deficiency (3-MCC) • 3-Hydroxy-3-Methylglutaric Aciduria (HMG) • Beta-Ketothiolase Deficiency (BKT) • Glutaric Acidemia Type I (GA1) • Isovaleric Acidemia (IVA) • Methylmalonic Acidemia (Cobalamin disorders- Cbl A,B) • Methylmalonic Acidemia (Methylmalonic-CoA mutase) • Holocarboxylase Synthase Deficiency (Multiple Carboxylase Deficiency-MCD) • Propionic Acidemia (PROP)	• 2 Methylbutyrylglycinuria (2MBG) • 2-Methyl-3-Hydroxybutyric Aciduria (2M3HBA) • 3-Methylglutaconic Aciduria (3MGA) • Isobutyrylglycinuria (IBG) • Methylmalonic Acidemia with Homocystinuria (Cbl C, D) • Malonic Acidemia (MAL)

Endocrine Disorders

Core Conditions	Secondary Conditions
• Congenital Adrenal Hyperplasia (CAH) • Primary Congenital Hypothyroidism (CH)	N/A

Hemoglobin Disorders

Core Conditions	Secondary Conditions
• S,S (Sickle Cell Anemia) • S,C Disease • S Beta-Thalassemia	• Various other hemoglobinopathies

Other Disorders

Core Conditions	Secondary Conditions
• Severe Combined Immunodeficiencies (SCID) • Biotinidase Deficiency (BIOT) • Classic Galactosemia (GALT) • Cystic Fibrosis (CF) • X-linked Adrenoleukodystrophy (X-ALD)	• T-Cell Related Lymphocyte Deficiencies

Note: Secondary conditions may be detected during screening for core conditions and some secondary conditions may be as severe as core conditions.

POINT-OF-SERVICE SCREENING (conducted at birthing facility)

- Hearing
- Critical Congenital Heart Disease

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