ATTACHMENT A - Delaware

Disorders Included in the StepOne® Newborn Screening Panel

Disorders Detected by Other Technologies

- Biotinidase Deficiency
  - Complete Deficiency
  - Partial Deficiency
- Congenital Adrenal Hyperplasia**
  - Salt Wasting 21-Hydroxylase Deficiency
  - Simple Verilizing 21-Hydroxylase Deficiency
- Congenital Hypothyroidism**
- Cystic Fibrosis (not valid after 90 days of age)*
- Galactosemia**
  - Galactokinase Deficiency
  - Galactose-1-Phosphate Uridyltransferase Deficiency
  - Galactose-4-Epimerase Deficiency
- Severe Combined Immunodeficiency (SCID)
- Sickle Cell & other Hemoglobinopathies
  - Hemoglobin S, S/C, S/Beta-Thalassemia, C, & E Diseases
- Spinal Muscular Atrophy (SMA)

The analyses conducted by PerkinElmer Genetics produce results that can be used by qualified physicians in the diagnosis of disorders described herein. Evidence of these conditions will be detected in the vast majority of affected individuals; however, due to genetic variability, age of the patient at time of specimen collection, quality of the specimen, health status of the patient, and other variables, such conditions may not be detected in all affected patients.

ATTACHMENT B
PerkinElmer Genetics Second Tier Reflex Testing Menu

PerkinElmer Genetics uses combinations of assays in a multi-tier approach that optimizes detection of abnormal results. Positive DNA identification for many disorders further speeds definitive diagnosis and implementation of critical therapies.

Biochemical Second Tier Testing

Disorder	Testing Approach
Congenital Adrenal Hyperplasia	First Tier; 17-OH P Second Tier; Extracted 17-OH P on all elevated.
Congenital Hypothyroidism	First Tier; either T4 or TSH. Second Tier TSH with a primary T4.