

## **ALLOWABLE BENEFITS LABORATORY PROCEDURES**

Newborn Screening Benefits reimburses enrolled laboratories for rendering the listed services at Medicaid reimbursement rates or the established rates outlined by contract.

**Any laboratory service over \$400.00 or not included in these lists must have prior approval from NBS Benefits prior to rendering services or billing.**

### **Metabolic Disorders**

#### **Laboratory Test**

- C16 and BCAA cell probes
- C16 and C18:1 cell probes
- Carnitine Combination Analysis (Acylcarnitines Profile and Total Carnitine)
- Dried Blood Spot Carnitine Levels
- Enzyme assay RBC arginase
- Enzyme – GALT – quantitative
- Enzyme – MSUD - BCKD
- Enzyme – skin biopsy – MCAD
- Enzyme – 3OH-3CH3 glutaryl CoA lyase
- Enzyme – skin biopsy – methylmalonyl CoA mutase
- Enzyme – skin biopsy – MCC
- Enzyme – propionyl CoA caboxylase
- Enzyme – skin biopsy – glutaryl CoA dehydrogenase
- Enzyme – skin biopsy – long chain hydroxy acyl-CoA thiolase
- Enzyme – skin biopsy – long chain 2-enoyl-CoA hydratase
- Enzyme – skin biopsy – VLCAD
- Enzyme – skin biopsy – LCHAD
- Enzyme – WBC – holocarboxylase synthetase
- Enzyme – skin biopsy – propionate incorporation studies
- Enzyme – skin biopsy – propionate incorporation studies and complementation analysis
- Enzyme – skin biopsy – BKT
- Enzyme – liver biopsy – argininosuccinate synthetase assay
- Enzyme – biotinidase
- Enzyme – fumarylacetoactase
- Glutaric acid
- Isoleucine challenge

## **Metabolic Disorders (continued)**

### **Laboratory Test**

- Mutations Panel or Sequencing:
  - DNA – IVD and SBCAD
  - DNA – MCAD
  - DNA – fumaryl acetoacetate hydrolase (TYR I)
  - DNA – phenylalanine hydroxylase (PKU)
  - DNA – GALT
  - DNA – LCHAD
  - DNA – MSUD
- Plasma acylcarnitines
- Plasma ammonia
- Plasma carnitine
- Plasma Carnitine Free and Total
- Plasma Dried Blood Spot Acylcarnitines
- Plasma galactose
- Plasma homocysteine
- Plasma Homocysteine and Methionine
- Plasma Total Homocysteine
- Plasma lactate/lactic acid
- Plasma methionine
- Plasma phenylalanine
- Plasma quantitative amino acids
- Plasma tyrosine
- RBC Gal-1-P
- Urine homocysteine
- Urine quantitative organic acids
- Urine succinylacetone
- Urine acylglycines
- Urine amino acids
- Urine galactitol
- WBC carnitine uptake

## **Endocrine Disorders**

### **Laboratory Test**

- 17-OH progesterone
- ACTH
- ACTH stimulation test
- Electrolytes
- Free T4
- Pregnanetriol
- T4
- TSH

## **Hemoglobin Disorders**

### **Laboratory Test**

- CBC
- Hemoglobin electrophoresis
- Iron
- Liver function

## **Cystic Fibrosis**

### **Laboratory Test**

- CFTR sequencing analysis