



Texas Department of State
Health Services

NEWBORN SCREENING BENEFITS CONTRACTOR PROCEDURES MANUAL SUPPLEMENT

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 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 carboxylase
- 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