



Division of Laboratory Services
 630 Hart Lane
 Nashville, TN 37216
 615-262-6300

<https://www.tn.gov/health/lab.html>

Newborn Screening Disorder:

Guanidinoacetate methyltransferase (GAMT) deficiency

Alternate Names	<ul style="list-style-type: none"> • GAMT • GAMT deficiency • Creatine deficiency syndrome due to GAMT deficiency • GAMT-D • Cerebral Creatine Deficiency Syndrome 2
Analyte(s) Tested	<ul style="list-style-type: none"> • Guanidinoacetate (GUAC), Creatine (CRE), GUAC/CRE ratio
Methodology	Flow injection analysis-tandem mass spectrometry
TDH Requisition Form	<ul style="list-style-type: none"> • PH-1582 • Form Requests: Contact state lab by email or fax. Include facility name, address, phone number and contact person on your request. <p>Fax: (615) 262-6455 Email: DCLAB.supply@tn.gov</p>
Acceptable Specimen	Dried blood spots on filter paper collected from infants less than 6 months of age
Collection Information	<ul style="list-style-type: none"> • Optimal specimen: Collect at 24 hours + 1 minute of life • Acceptable specimen: Collect 24-48 hours of life • If transfused: Recollect 4 days post transfusion
Shipping Information	Health Departments and Birthing Hospitals Private Clinics and Midwives
Screening Results	<ul style="list-style-type: none"> • Tennessee Newborn Screening's Secure Remote Viewer (SRV) <ul style="list-style-type: none"> ○ Healthcare providers must be registered to view and print patient result reports. To Register: Complete and submit PH-3909 at the link above. • NBS List of Screened Disorders and Mailer Explanations
Laboratory Location Performing Testing	Nashville, TN