

Division of Laboratory Services

630 Hart Lane
Nashville, TN 37216
615-262-6300

<https://www.tn.gov/newbornscreeninglab>

Newborn Screening Disorder:

β Ketothiolase Deficiency (SKAT)

Alternate Name(s)	<ul style="list-style-type: none"> Alpha-methylacetoaceticaciduria 2-methyl-3-hydroxybutyricacidemia Mitochondrial acetoacetyl-CoA Thiolase deficiency 3-oxothiolase deficiency 3-ketothiolase deficiency
Analyte(s) Tested	<ul style="list-style-type: none"> C4, C4-DC + C5-OH, C5:1
Methodology	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. Fax: (615) 262-6455 Email: DCLAB.supply@tn.gov
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	<ul style="list-style-type: none"> 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 SRV Access Form (PH-3909). NBS List of Screened Disorders and Mailer Explanations
Laboratory Location Performing Testing	Nashville, TN