Newborn Screening Disorder:

Maple Syrup Urine Disease (MSUD)

| Alternate Name(s)                       | • Branched chain ketoaciduria  
|                                         | • Branched-chain alpha-keto acid dehydrogenase deficiency  
|                                         | • BCKD deficiency  
|                                         | • Keto acid decarboxylase deficiency  
|                                         | • MSUD  
|                                         | • Branched-chain 2-ketoacid dehydrogenase deficiency  
| Analyte(s) Tested                      | • Leucine, Valine  
| Methodology                             | Tandem Mass Spectrometry  
| TDH Requisition Form                    | • 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                  | • 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                       | • Tennessee Newborn Screening’s Secure Remote Viewer (SRV)  
|                                         | • NBS List of Screened Disorders and Mailer Explanations  
| Laboratory Location Performing Testing  | Nashville, TN  

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