



**Division of Laboratory Services**

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615-262-6300

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

**Newborn Screening Disorder:**

**2 Methyl 3 hydroxy butyric aciduria (2M3HBA)**

<b>Alternate Names</b>	<ul style="list-style-type: none"><li>• HSD10 deficiency</li><li>• 3H2MBD deficiency</li><li>• 3-hydroxy-2-methylbutyryl-CoA dehydrogenase deficiency</li><li>• Hydroxyacyl-CoA dehydrogenase II deficiency</li><li>• 17 beta-hydroxysteroid dehydrogenase type 10 deficiency</li><li>• 2-methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency</li><li>• MHBD deficiency</li></ul>
<b>Analyte(s) Tested</b>	<ul style="list-style-type: none"><li>• C4-DC + C5-OH</li><li>• C6-DC, C5, C5:1</li></ul>
<b>Methodology</b>	Tandem Mass Spectrometry
<b>TDH Requisition Form</b>	<ul style="list-style-type: none"><li>• <b>PH-1582</b></li><li>• <b>Form Requests:</b> Contact state lab by email or fax. Include facility name, address, phone number and contact person on your request. <b>Fax:</b> (615) 262-6455      <b>Email:</b> <a href="mailto:DCLAB.supply@tn.gov">DCLAB.supply@tn.gov</a></li></ul>
<b>Acceptable Specimen</b>	<b>Dried blood spots on filter paper collected from infants less than 6 months of age</b>
<b>Collection Information</b>	<ul style="list-style-type: none"><li>• <b>Optimal specimen:</b> Collect at 24 hours + 1 minute of life</li><li>• <b>Acceptable specimen:</b> Collect 24-48 hours of life</li><li>• <b>If transfused:</b> Recollect 4 days post transfusion</li></ul>
<b>Shipping Information</b>	<ul style="list-style-type: none"><li>• <a href="#">Health Departments and Birthing Hospitals</a></li><li>• <a href="#">Private Clinics and Midwives</a></li></ul>
<b>Screening Results</b>	<ul style="list-style-type: none"><li>• <a href="#">Tennessee Newborn Screening's Secure Remote Viewer (SRV)</a><ul style="list-style-type: none"><li>◦ Healthcare providers must be registered to view and print patient result reports. To Register: Complete and submit <a href="#">SRV Access Form (PH-3909)</a>.</li></ul></li><li>• <a href="#">NBS List of Screened Disorders and Mailer Explanations</a></li></ul>
<b>Laboratory Location Performing Testing</b>	Nashville, TN