

NOTICE: Newborn Screening Result Report Format Change to Include Expanded Panel of Disorders

Please see below for an example of an abnormal screen test. Gray-shaded boxes provide information on specific areas.

Report Indicating Abnormal Screen Results

Texas Department of State Health Services
 1100 WEST 49TH STREET
 AUSTIN, TEXAS 78756-3194
 1-888-963-7111
www.dshs.state.tx.us

LABORATORY SERVICES SECTION
 CLIA #45D0660644

CONFIDENTIAL LABORATORY REPORT

TEXAS DEPARTMENT OF STATE HLTH SERVICES – 00000001
 ATTN: LABORATORY
 1100 W 49TH ST
 AUSTIN, TX 78756

Overall Status

Patient's Name: SMITH TEXAN NEWBORN SCREENING REPORT

Mother's Name: _____
 Laboratory Number: 2007 023 4568

Date of Birth: 01/10/2007
 Form Serial No: 06-0277696
 Date Collected: 01/11/2007
 Date Received: 01/23/2007
 Date Reported: _____

Medical Record: _____
 Date Reported: _____

Birth Weight: 2,800 grams

Race/Ethnicity: _____
 Test: _____

Sex: _____
 Birth Order: _____
 Mother's SSN: _____
 Mother's Address: 1100 WEST 49TH AUSTIN, TX
 Mother's Telephone: _____
 Physician's Name: _____
 Physician's Telephone: _____

Feed: BOTTLE

Status: NORMAL

ABNORMAL SCREEN

Disorder	Screening Result	Analyte	Analyte Result
Amino Acid Disorders	Normal		
Fatty Acid Disorders	Abnormal: See Note 1	C8 C6 C10:1 C10 C8/C2	Elevated Elevated Normal Elevated Elevated
Organic Acid Disorders	Normal		
Galactosemia	Normal		
Biotinidase Deficiency	Abnormal: See Note 2	Biotinidase	Abnormal
Endocrine Disorders	Abnormal: See Note 3	T4/TSH	T4 Low, TSH Slightly Elevated
Hemoglobinopathies	Normal		

Screening Result Notes:

- Possible MCAD. Recommend plasma acylcarnitine profile and urine organic acids (including acylglycines). Refer to a metabolic specialist.
- Possible Biotinidase Deficiency. Recommend enzyme assay for biotinidase. Refer to a metabolic specialist.
- Possible Hypothyroidism. Please repeat the newborn screen.

Disorders Screened: **AMINO ACID DISORDERS:** Argininosuccinic Acidemia (ASA), Citrullinemia (CIT), Homocystinuria (HCY), Maple Syrup Urine Disease (MSUD), Phenylketonuria (PKU), Tyrosinemia type I (TYRI). **FATTY ACID DISORDERS:** Medium-Chain Acyl-CoA Dehydrogenase Def. (MCAD), Very Long Chain Acyl-CoA Dehydrogenase Def. (VLCAD), Long Chain Hydroxyacyl-CoA Dehydrogenase (LCHAD), Trifunctional Protein Def. (TFP), Carnitine Uptake Def. (CUD), Carnitine Palmitoyl Transferase Def.1 (CPT1). **ORGANIC ACID DISORDERS:** Glutaric Acidemia I (GA-I), 3-OH 3-Methyl Glutaric Aciduria (HMG), Isovaleric Acidemia (IVA), Multiple Carboxylase Def. (MCD), 3 Methyl Crotonyl-CoA Carboxylase Def. (3-MCC), Methylmalonic Acidemia (MMA), Propionic Acidemia (PA), Beta-Ketothiolase Def. (BKT). **GALACTOSEMIA. BIOTINIDASE DEFICIENCY. ENDOCRINE DISORDERS:** Congenital Hypothyroidism (CH), Congenital Adrenal Hyperplasia (CAH). **HEMOGLOBINOPATHIES:** including Hb S/S, Hb S/C, Hb S-Beta thalassemia

For more information, please refer to <http://www.dshs.state.tx.us/lab/newbornscreening.shtm> Page 1 of 2

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The Screening Result column indicates if the disorder category tested is Normal, Abnormal, or Unsatisfactory.

The Analyte column lists analytes that indicate a specific disorder.

The Result Table includes an "Analyte" and "Analyte Result" column for Abnormal Screens.

The Screening Result Notes provide additional information on possible disorders, recommendations for follow-up testing and reasons for unsatisfactory specimens. Notes may continue on Page 2.

Important messages – Updated periodically.

IMPORTANT MESSAGES: Updated February 7, 2007
EXPANSION: All specimens are now tested for 27 disorders.
 Forms with serial numbers beginning with "05-" expired Dec.31, 2006! All specimens received on expired forms or without a date of collection will be REJECTED.
TUTORIAL: A web-based tutorial (free CME) on the Texas NBS Expansion is available at <http://txhealthsteps.com/>.
24-HOUR, 7-DAY RESULT ACCESS (not including the expansion tests) is available via the Voice Response System (VRS).
 Call 1-888-963-7111 ext. 6988 or e-mail labappsupport@dshs.state.tx.us to obtain a PIN and instructions.

The List of Disorders will print on all pages.

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