

UPDATES ON NEWBORN SCREENING RESULT REPORTING STATEMENTS FOR SECONDARY CONDITIONS

NEWBORN SCREENING LABORATORY – DEPARTMENT OF STATE HEALTH SERVICES

Please see the table below for an updated listing of all new possible results that will be used for the addition of secondary conditions to the Newborn Screening Panel, including: **New Analyte(s)**, **New Analyte Results**, and **New Screening Result Note**.

These changes are currently scheduled to begin Tuesday, May 26th.

In addition, the NBS Laboratory will be updating the screening result note text for 174 additional result possibilities. For a complete list of all possible NBS Results, Analytes and Notes with upcoming changes, please see:

[List of all possible NBS Results, Analytes & Notes](#)

Reminders:

- Read the ENTIRE Screening Result Notes before taking action.
- Each Result Report may have more than 1 page and Screening Result Notes may continue on Page 2.
- Contact the laboratory with any questions:
 - Telephone: 1-888-963-7111 X7585 or x2638
 - Email: NewbornScreeningLab@dshs.state.tx.us

Additional Resources:

- [Healthcare Provider Resources](#)
- [Example Abnormal Result Report](#)
- [Example Normal Result Report](#)

New Possible Results for reporting of Secondary NBS Conditions:

Disorder	Overall Specimen Result	Screening Result	<u>NEW</u> Analyte(s)	<u>NEW</u> Analyte Results	<u>NEW</u> Screening Result Note
Amino Acid Disorders	Abnormal	Abnormal	Arginine	Elevated	Possible Argininemia. Recommend plasma ammonia and plasma quantitative amino acids within 48 hours and telephone consultation with a pediatric metabolic specialist.
Amino Acid Disorders	Abnormal	Abnormal	Arginine	Borderline	Borderline Result. Possible Metabolic Disorder. If this is the second screen, please follow recommendations received from Clinical Care Coordination. Otherwise, please repeat the newborn screen within 7 days.
Fatty Acid Disorders	Abnormal	Abnormal	C4 C4/C2	Each analyte may have a result of Elevated, Borderline, or Normal	Possible SCAD or IBG. Recommend plasma acylcarnitine profile, urine organic acids, urine acylglycines within 48 hours and telephone consultation with a pediatric metabolic specialist.
Fatty Acid Disorders	Abnormal	Abnormal	C4 C4/C2	Each analyte may have a result of Elevated, Borderline, or Normal	Borderline Result. Possible Metabolic Disorder. If this is the second screen, please follow recommendations received from Clinical Care Coordination. Otherwise, please repeat the newborn screen within 7 days.
Fatty Acid Disorders	Abnormal	Abnormal	C4 C5	Each analyte may have a result of Elevated, Borderline, or Normal	Possible GA2. Recommend Plasma acylcarnitine profile, urine organic acids, and urine acylglycine analysis within 24 hours and immediate telephone consultation with a pediatric metabolic specialist.
Fatty Acid Disorders	Abnormal	Abnormal	C16 C18:1 C14 (C16+C18:1)/C2	Each analyte may have a result of Elevated, Borderline, or Normal	Possible CACT or CPTII. Recommend plasma carnitine, plasma acylcarnitine, and urine organic acids within 24 hours and immediate telephone consultation with a pediatric metabolic specialist.
Fatty Acid Disorders	Abnormal	Abnormal	C16 C18:1 C14 (C16+C18:1)/C2	Each analyte may have a result of Elevated, Borderline, or Normal	Borderline Result. Possible Metabolic Disorder. If this is the second screen, please follow recommendations received from Clinical Care Coordination. Otherwise, please repeat the newborn screen within 7 days.
Fatty Acid Disorders	Abnormal	Abnormal	C10:2	Elevated	Possible DE-RED. Recommend plasma acylcarnitine profile, plasma quantitative amino acids, plasma carnitine, urine acylglycines, urine organic acids within 48 hours and telephone consultation with a pediatric metabolic specialist.
Organic Acid Disorders	Abnormal	Abnormal	C3DC+C4OH C3DC+C4OH/C5DC	Each analyte may have a result of Elevated, Borderline, or Normal	Possible MAL or M/SCHAD. Recommend plasma acylcarnitine profile, plasma insulin, plasma methylmalonic acid, and urine organic acids within 48 hours and telephone consultation with a pediatric metabolic specialist.
Organic Acid Disorders	Abnormal	Abnormal	C3DC+C4OH C3DC+C4OH/C5DC	Each analyte may have a result of Elevated, Borderline, or Normal	Borderline Result. Possible Metabolic Disorder. If this is the second screen, please follow recommendations received from Clinical Care Coordination. Otherwise, please repeat the newborn screen within 7 days.