

**CODIGO :** 168480  
**NOMBRE PACIENTE :** LIAM MATEO RODRIGUEZ AVILA **SEXO :** MASCULINO  
**FECHA DE NACIMIENTO :** 16/04/2025 **REGISTRO CIVIL :** 1,141,387,390  
**NOMBRE RESPONSABLE :** MARIA ALEJANDRA AVILA ALFONSO  
**DOC.IDENTIDAD DE LA MADRE :** 1,030,684,648  
**FECHA TOMA DE MUESTRA :** 28/05/2025  
**FECHA DE IMPRESION :** 09/06/2025



## TAMIZAJE NEONATAL

### ANALISIS MUESTRA DE SANGRE

|                                                                   | RESULTADO | VALORES DE REFERENCIA | INTERPRETACION                           |
|-------------------------------------------------------------------|-----------|-----------------------|------------------------------------------|
| Hipotiroidismo congénito                                          | 1.75      | VN: < 10 uU/ml        | Normal                                   |
| Deficiencia de G6PDH                                              | 6.50      | VN : > 2.6 U/gHb      | Normal                                   |
| Fenilcetonuria (PKU)                                              | 0.70      | VN : < 2.1 mg/dL      | Normal                                   |
| <i>TÉCNICA: Fluoroimmunoensayo (Delfia).</i>                      |           |                       | <i>Procesado en Colombia por PREGEN.</i> |
| <i>TÉCNICA: Cromatografía Líquida de Alto Rendimiento (HPLC).</i> |           |                       | <i>Procesado en Colombia por PREGEN.</i> |

## TAMIZAJE AMPLIADO

### ESPECTROMETRIA DE MASAS EN TANDEM

*Procesado en Tennessee Department of Health.*

#### DESORDENES DE AMINOÁCIDOS

Citrulina, Metionina, Leucina, Isoleucina, Valina, Fenilalanina, Tirosina.

Ausencia de metabolitos anormales Normal

#### DESORDENES DE LA OXIDACIÓN DE ÁCIDOS GRASOS

C16, C18, C18:1, C16OH, C18:1OH, C8, C10:1, C5, C5DC, C4, C14, C14:1

Ausencia de metabolitos anormales Normal

#### ACIDEMIAS ORGÁNICAS

C5OH, C5DC, C5, C3, C5:1

Ausencia de metabolitos anormales Normal

#### RESULTADOS NORMALES

Recuerde que estas son pruebas de tamizaje que solo indican la probabilidad de que el recién nacido tenga una de las enfermedades estudiadas por el programa y pueden requerir pruebas adicionales para la confirmación de algún diagnóstico. La sensibilidad de estas pruebas se reduce a medida que aumenta la edad del paciente, por esto es conveniente realizarlas dentro del primer mes de nacido.

REVISADO : EDUVILIA JOHANA GOMEZ  
 Bacteriologa  
 Reg. 40.936.003

FECHA : 09/06/2025



Department of  
**Health**

**TENNESSEE DEPARTMENT of HEALTH  
LABORATORY SERVICES**

Kara Levinson, PhD, MPH, D(ABMM), Director  
630 Hart Lane Nashville, TN 37243-0801  
615-262-6300



**NEWBORN SCREENING REPORT  
FIRST SPECIMEN**

**Date: 6/3/2025**

**TDH Lab Number: 20251532292**

Infant: **RODRIGUEZ AVILA, LIAM  
MATEO**  
Birth Date: 4/16/2025 @ 21:50  
Collect Date: 5/28/2025 @ 10:32  
Date Recvd: 6/2/2025 @ 0700  
Sex: Male  
\*Feeding:  
Multiple Birth: Single

Mother: AVILA, MARIA ALEJANDRA  
Address: NO INFO GIVEN  
Phone: (324) 593-3135  
Race: White  
SCN: TN0000136171  
Gestage: 39.0

Medical Record:  
\*Transfused:  
Date Transf.:  
County: SOUTH AMERICA  
Birth Weight: 2860  
Hospital: PREGEN  
Provider: PREGEN

**NEWBORN SCREENING RESULTS**

| *Disorder/Profile                           | Result               | Remarks                        | Normal Values                       |
|---------------------------------------------|----------------------|--------------------------------|-------------------------------------|
| <b>Galactosemia (GAL)</b>                   | Within Normal Limits | Normal                         | GAL < 13 mg/dL<br>GALT >= 3.48 U/dL |
| <b>Hemoglobinopathies (HGB)</b>             | FA                   | No Hemoglobinopathies Observed | FA, AF for Older Infants            |
| <b>Biotinidase Deficiency (BIO)</b>         | Within Normal Limits | Normal                         | >= 44.64 U/dL                       |
| <b>Congenital Adrenal Hyperplasia (CAH)</b> | Within Normal Limits | Normal                         | < 37 ng/mL                          |
| <b>Amino Acid Profile (AA)</b>              | Within Normal Limits | Normal                         | Within Normal Limits                |
| <b>Organic Acid Profile (OA)</b>            | Within Normal Limits | Normal                         | Within Normal Limits                |
| <b>Fatty Acid Profile (FA)</b>              | Within Normal Limits | Normal                         | Within Normal Limits                |
| <b>Cystic Fibrosis (CF)</b>                 | Within Normal Limits | Normal                         | < 54 ng/mL                          |
| <b>X-linked Adrenoleukodystrophy (XALD)</b> | Within Normal Limits | Normal                         | Within Normal Limits                |

\*See website for additional information. [https://www.tn.gov/content/dam/tn/health/program-areas/lab/nbs/NBS\\_Disorder\\_List\\_and\\_Mailer\\_Comments.pdf](https://www.tn.gov/content/dam/tn/health/program-areas/lab/nbs/NBS_Disorder_List_and_Mailer_Comments.pdf)

The purpose of the Tennessee Department of Health Newborn Screening program is to identify infants at increased risk for a variety of disorders. This is a screening test and the results can be affected by different factors. The possibility of a false negative or a false positive result must always be considered when screening newborns for disorders. Therefore, newborn screening tests results are insufficient on which to base diagnosis or treatment. The test may need to be repeated and the diagnosis confirmed or ruled out by additional specialized studies.

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**CCHD Screen on NP @ NP CCHD Result: NP Referred to Cardiology: NP Reason if not done: NP NP = Not Provided**

**HEARING SCREENING: Method used - Not Performed. Left Ear. Not Performed. Right Ear. Not Performed. Risk Factor. None. Performed: .**

The Hearing and Critical Congenital Heart Disease (CCHD) Screening was submitted on the Newborn Screening form by a medical provider. The Tennessee State Department of Health Laboratory Services did not conduct the screens. Questions should be referred to the Newborn Screening Program P(615)532-8462 / F(615)532-8555 or the hospital performing the test.