

CODIGO : 165678
NOMBRE PACIENTE : LIAM DAVID CASAMACHIN FERNANDEZ **SEXO :** MASCULINO
FECHA DE NACIMIENTO : 11/10/2024 **REGISTRO CIVIL :** 1,114,906,813
NOMBRE RESPONSABLE : KITIAN ESTHER FERNANDEZ YEPES
DOC.IDENTIDAD DE LA MADRE : 1,051,826,022
FECHA TOMA DE MUESTRA : 08/11/2024
FECHA DE IMPRESION : 21/11/2024



TAMIZAJE NEONATAL

ANALISIS MUESTRA DE SANGRE

| | RESULTADO | VALORES DE REFERENCIA | INTERPRETACION |
|--------------------------|-----------|-----------------------|----------------|
| Hipotiroidismo congénito | 2.55 | VN: < 15 uU/ml | Normal |
| Deficiencia de G6PDH | 5.90 | VN : > 2.6 U/gHb | Normal |
| Fenilcetonuria (PKU) | 0.40 | VN : < 2.1 mg/dL | Normal |

TÉCNICA: Fluoroimmunoensayo (Delfia). *Procesado en Colombia por PREGEN.*

TÉCNICA: Cromatografía Líquida de Alto Rendimiento (HPLC). *Procesado en Colombia por PREGEN.*

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 : 21/11/2024



Department of
Health

**TENNESSEE DEPARTMENT of HEALTH
LABORATORY SERVICES**

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**NEWBORN SCREENING REPORT
FIRST SPECIMEN**

Date: 11/21/2024

TDH Lab Number: 20243242274

Infant: **CASAMACHIN FERNANDEZ,
LIAM DAVID**
Birth Date: 10/4/2024 @ 08:00
Collect Date: 11/8/2024 @ 12:00
Date Recvd: 11/18/2024@ 0700
Sex: Male
*Feeding:
Multiple Birth: Single

Mother: FERNANDEZ, KITIAN
Address: NO INFO GIVEN
Phone: NP
Race: White
SCN: TN0000067365
Gestage: 37.5

Medical Record:
*Transfused: No
Date Transf.:
County: SOUTH AMERICA
Birth Weight: 3150
Hospital: PREGEN
Provider: PREGEN

NEWBORN SCREENING RESULTS

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

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.

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