

**CODIGO :** 169546  
**NOMBRE PACIENTE :** EMMANUEL CHAVEZ CASTELLANOS **SEXO :** MASCULINO  
**FECHA DE NACIMIENTO :** 02/05/2025 **REGISTRO CIVIL :** 1,015,002,566  
**NOMBRE RESPONSABLE :** JULIETH NATALIA CASTELLANOS RUIZ  
**DOC.IDENTIDAD DE LA MADRE :** 1,022,423,547  
**FECHA TOMA DE MUESTRA :** 02/08/2025  
**FECHA DE IMPRESION :** 20/08/2025



## TAMIZAJE NEONATAL

### ANALISIS MUESTRA DE SANGRE

	RESULTADO	VALORES DE REFERENCIA	INTERPRETACION
Hipotiroidismo congénito	1.49	VN: < 10 uU/ml	Normal
Deficiencia de G6PDH	5.20	VN : > 2.6 U/gHb	Normal
Fenilcetonuria (PKU)	0.80	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 : 20/08/2025



**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: 8/11/2025**

**TDH Lab Number: 20252212345**

Infant: <b>CHAVEZ, EMMANUEL</b>	Mother: CASTELLANOS RUIZ, JULIETH	Medical Record:
Birth Date: 5/2/2025 @ 04:12	NATALIA	*Transfused: No
Collect Date: 8/2/2025 @ 10:09	Address: NO INFO GIVEN	Date Transf.:
Date Recvd: 8/8/2025 @ 0700	BOGOTA , SA NP	County: SOUTH AMERICA
Sex: Male	Phone: NP	Birth Weight: 3110
*Feeding:	Race: White	Hospital: PREGEN
Multiple Birth: Single	SCN: TN0000153006	Provider: PREGEN
	Gestage: 40.0	

**NEWBORN SCREENING RESULTS**

*Disorder/Profile	Result	Remarks	Normal Values
<b>Galactosemia (GAL)</b>	Within Normal Limits	Normal	GAL < 13 mg/dL GALT >= 3.48 U/dL
<b>Hemoglobinopathies (HGB)</b>	AF	Normal Pattern for Older Infant Not Transfused	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.

\*\*\*\*\*

**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.