CODIGO : 172483

NOMBRE PACIENTE : EITHAN DANIEL LOPEZ RODRIGUEZ **SEXO :** MASCULINO

FECHA DE NACIMIENTO : 10/12/2025 **REGISTRO CIVIL :** 1,089,652,597

NOMBRE RESPONSABLE : ALISON DAYANA RODRIGUEZ ARREDONDO

DOC.IDENTIDAD DE LA MADRE : 12,693,187

FECHA TOMA DE MUESTRA : 24/02/2026 **TIPO DE MUESTRA :** TALÓN

FECHA DE IMPRESIÓN : 09/03/2026 **PESO :** 4420

TAMIZAJE NEONATAL

ANÁLISIS MUESTRA DE SANGRE

	RESULTADO	VALORES DE REFERENCIA	INTERPRETACIÓN
T.S.H Neonatal	1.89	>= 6 µl/mL talón en prematuros >= 10 µl/mL talón >= 15 µl/mL cordón	Normal
Deficiencia de G6PDH	4.30	> 2.6 U/gHb	Normal

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

Hemoglobinopatías	FA	Ausencia de hemoglobinas anormales	Normal

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

TAMIZAJE AMPLIADO

ESPECTROMETRIA DE MASAS EN TANDEM

Procesado en Tennessee Department of Healt.

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

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
Bacterióloga
Reg. 40.936.003

PROCESADO : MARIA JOSE PINZON GARCIA
Bacterióloga
Reg. 1.015.469.392

FECHA : 09/03/2026

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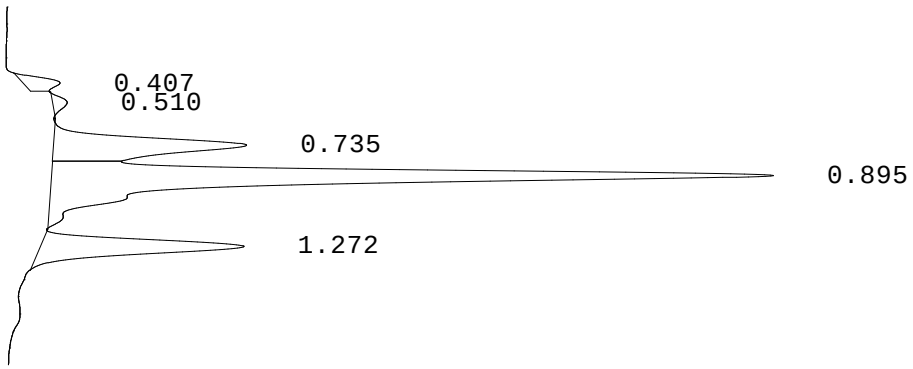
`LABORATORIO PREGEN
Carrera 15a No 106-42
BOGOTA

Batch 2083, Rack A, Plate 1, Well D06, 172483 FA
[DD3378E7AF99D397] Feb 27, 2026 11:43:22 Pressure = 54 bar (54 to 56)



PEAK	RT	REL RT	% CONC	AREA	COMMENT
1	0.407	F 0.46	2.4%	12676	
2	0.510	F 0.58	1.1%	6060	
3	0.735	F 0.83	18.8%	100267	
4	0.895	F 1.01	60.9%	325318	Consistent with F
5	1.272	A 1.01	16.8%	89571	A peak
			Total Area:	533892	

Codes:
1) Wide A peak
2) Area of A peak < 80%
3) Peak area greater than expected
4) Peak after A2
5) A1c > 10%
6) HbF or variant present
7) Total sample area too small/big
8) A2 is not within normal range

baby health check©

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Dr. MARIA JOSE PINZON GARCIA
RED COLOMBIANA DE MEDICINA GENETICA SAS - PREGEN
BOGOTA
CARRERA 15 A # 106 - 42
11001 BOGOTA
Colombia

Date of Report	06.03.2026
Sample Received	03.03.2026
Date of Sampling	25.02.2026
LAB-ID	262009450

Medical Report

Patient name	**LOPEZ RODRIGUEZ EITHAN DANIEL**
Date of Birth	**10.12.2025**

Sample-ID	A0361372
Gender	M

Indication: Newborn Screening

Method(s): Immunoassay, Tandem mass spectrometry from Dried Blood Spot. qPCR from Dried Blood Spot.

Results:

Parameter	Value	Unit	Reference
Birth weight (g)	4420	g	-
17-hydroxyprogesterone (17OHP)	<5.0	nmol/L	< 90.0
Thyroid-stimulating hormone (TSH)	1.6	µU/mL	< 15.0
Biotinidase	270.5	U	> 51.0
Galactose-1-P-uridyltransferase (GALT)	7.3	U/g Hb	> 2.5
Immunoreactive trypsinogen (IRT)	41.9	ng/mL	< 65.0
Phenylalanine	41.3	µmol/L	< 150.0
Amino acid profile	negative		-
Acylcarnitine profile	negative		-

Interpretation: NEGATIVE RESULT

Contact Details
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Patient name	**LOPEZ RODRIGUEZ EITHAN DANIEL**	Sample-ID	A0361372
Date of Birth	**10.12.2025**	Gender	M

Results:

Amino Acids

Parameter	Value	Unit	Reference
Phenylalanine (Phe)	41.3	µmol/L	< 150.0
Phenylalanine / Tyrosine ratio (Phe/Tyr)	0.66	µmol/L	< 2.20
Tyrosine (Tyr)	62.2	µmol/L	< 200.0
Leucine (Leu)	120.2	µmol/L	< 270.0
Valine (Val)	60.5	µmol/L	< 200.0
Methionine (MET)	33.6	µmol/L	< 78.0
Methionine / Phenylalanine (Met/Phe)	0.81	µmol/L	< 1.60
Citrulline (Cit)	16.0	µmol/L	< 50.0
Ornithine (Orn)	154.8	µmol/L	< 250.0
Ornithine / Citrulline ratio (Orn/Cit)	9.68	µmol/L	1.50 - 20.00
Proline (Pro)	102.5	µmol/L	< 350.0
Alanine (Ala)	176.4	µmol/L	< 750.0
Arginine (Arg)	6.3	µmol/L	< 100.0
Aspartic acid (Asp)	89.1	µmol/L	< 100.0
Glutamic acid (Glu)	249.2	µmol/L	< 600.0
Glycamine (Gly)	231.4	µmol/L	< 700.0

Acylcarnitines

Free carnitine (C0)	29.34	µmol/L	6.00 - 100.00
acetylcarnitine (C2)	24.00	µmol/L	1.34 - 48.81
propionylcarnitine (C3)	2.34	µmol/L	0.13 - 6.60
butyryl-/isobutyrylcarnitine (C4)	0.10	µmol/L	0.03 - 0.90
isovaleryl-/2-methylbutyrylcarnitine(C5)	0.11	µmol/L	0.02 - 2.00
tiglylcarnitine (C5:1)	0.02	µmol/L	< 0.20
hydroxyvalerylcarnitine (C5OH)	0.19	µmol/L	0.02 - 0.57
glutarylcarnitine (C5DC)	0.03	µmol/L	< 0.30
hexanoylcarnitine (C6)	0.04	µmol/L	0.01 - 0.13
octanoylcarnitine (C8)	0.02	µmol/L	0.01 - 0.30
decanoylcarnitine (C10)	0.03	µmol/L	0.01 - 0.36
decenoylcarnitine (C10:1)	0.10	µmol/L	< 0.30
decadienoylcarnitine (C10:2)	0.04	µmol/L	< 0.10
dodecanoylcarnitine (C12)	0.07	µmol/L	0.10 - 0.60
myristoylcarnitine (C14)	0.14	µmol/L	0.01 - 0.57
tetradecenoylcarnitine (C14:1)	0.09	µmol/L	0.10 - 0.38
palmitoylcarnitine (C16)	1.07	µmol/L	0.62 - 7.81
3-hydroxypalmitoylcarnitine (C16OH)	0.04	µmol/L	< 0.10
stearoylcarnitine (C18)	0.43	µmol/L	0.30 - 2.40
oleylcarnitine (C18:1)	4.27	µmol/L	0.06 - 3.86
3-hydroxystearoylcarnitine (C18OH)	0.01	µmol/L	< 0.09
malonylcarnitine (C3DC)	0.04	µmol/L	< 0.50

Amino acid levels are indicators of phenylketonuria, tyrosinemia, MSUD, hydroxyprolinuria, hypermethioninemia (homocystinuria), citrullinemia, argininosuccinate aziduria, hyperargininemia, and hyperprolinemia. Acylcarnitine levels are indicators of carnitine uptake disorders, CPT-I deficiency, CPT-II deficiency, CAT deficiency, propionaciduria, methylmalonic aciduria, malonic aciduria, SCAD deficiency/ethylmalonic aciduria, isovaleric aciduria, HMG-CoA lyase deficiency, 3-methylcrotonyl-CoA carboxylase deficiency, methylglutaconiciduria, MCAD deficiency, VLCAD deficiency, LCHAD deficiency, glutaraziduria I, multiple acyl-CoA dehydrogenase deficiency (MAD deficiency/glutaraziduria II), and Beta-ketothiolase deficiency.

Please note: Inconspicuous negative biochemical results cannot exclude any inborn error of metabolism or endocrine disorder with certainty in newborns. We recommend any follow-up or genetic testing if any clinical symptoms are present.

Authorized By: Assoc.-Prof. Dr. Andrea-Romana KASPER, MD, PhD
[Specialist for Pediatrics, Neonatology and Nutrition]

Report was electronically signed and approved.

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