

CODIGO :

173905

NOMBRE PACIENTE :

CARLOS ANDRES LEYVA JIMENEZ

FECHA DE NACIMIENTO :

28/03/2026

NOMBRE RESPONSABLE :

NORELVIS JIMENEZ LOPEZ

DOC.IDENTIDAD DE LA MADRE :

1,007,613,614

FECHA TOMA DE MUESTRA :

02/07/2026

FECHA DE IMPRESIÓN :

22/07/2026

SEXO : MASCULINO

REGISTRO CIVIL: 1,244,781,860

TIPO DE MUESTRA : TALÓN

PESO : 2195



TAMIZAJE NEONATAL

ANÁLISIS MUESTRA DE SANGRE

	RESULTADO	VALORES DE REFERENCIA	INTERPRETACIÓN
T.S.H Neonatal	2.35 µU/mL	>= 6 µU/mL talón en prematuros >= 10 µU/mL talón >= 15 µU/mL cordón	Normal
Deficiencia de G6PDH	6.90 U/gHb	< 2.6 U/gHb	Normal
TÉCNICA: Fluoroimmunoensayo (Delfia).		Procesado en Colombia por PREGEN.	
Hemoglobinopatías	ASF	Cromatograma compatible con posible rasgo	Anormal
TÉCNICA: Cromatografía Líquida de Alto Rendimiento (HPLC).		Procesado en Colombia por PREGEN.	

TAMIZAJE AMPLIADO

ESPECTROMETRIA DE MASAS EN TANDEM

Procesado en Archimedlife international medical laboratory. 1110 Vienna.

DESORDENES DE AMINOÁCIDOS		
Citrulina, Metionina, Leucina, Isoleucina, Valina, Fenilalanina, Tirosina.		
Ausencia de metabolitos anormales		Normal
PERFIL DE ACILCARNITINAS		
C16, C18, C18:1, C16OH, C18:1OH, C8, C10:1, C5, C5DC, C4, C14, C14:1, C5OH, C3, C5:1		
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

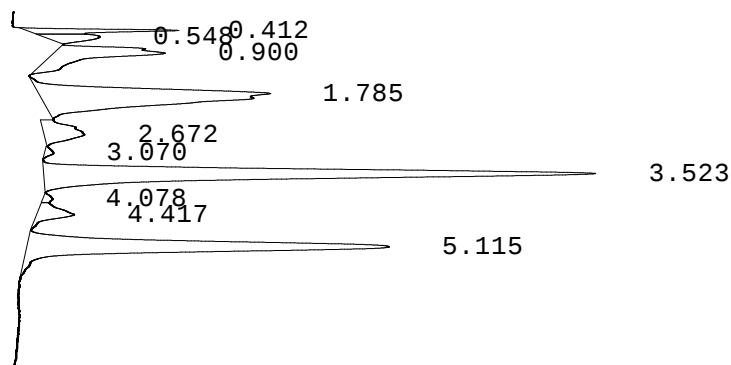
FECHA :

22/07/2026

LABORATORIO PREGEN
Carrera 15a No 106-42
BOGOTA

Batch 2192, Rack A, Plate 1, Well G08, 173905
[CD38C0455C773B9D] Jul 06, 2026 15:55:37 Pressure = 80 bar (78 to 81)

ASF



PEAK	RT	REL	RT	% CONC	AREA	COMMENT
1	0.412	F	0.23	3.1%	37774	
2	0.548	F	0.30	2.2%	27229	
3	0.900	F	0.50	8.0%	97753	
4	1.785	F	0.98	22.4%	274522	Consistent with F
5	2.672	A	0.76	3.7%	45780	
6	3.070	A	0.87	0.3%	4214	
7	3.523	A	1.00	33.1%	404874	A peak - REVIEW
8	4.078	A	1.16	0.4%	4330	
9	4.417	S	0.87	2.5%	30452	3
10	5.115	S	1.01	24.3%	297208	Consistent with S
Total Area: 1224136						A/V=1.36

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

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

Date of Report 20.07.2026
Sample Received 10.07.2026
Date of Sampling 02.07.2026
LAB-ID 262031132

Medical Report

Patient name	LEYVA JIMENEZ CARLOS ANDRES	Sample-ID	A0358511
Date of Birth	28.03.2026	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)	2195	g	-
17-hydroxyprogesterone (17OHP)	<5.0	nmol/L	< 90.0
Thyroid-stimulating hormone (TSH)	<0.7	μU/mL	< 15.0
Biotinidase	391.0	U	> 51.0
Galactose-1-P-uridyltransferase (GALT)	8.9	U/g Hb	> 2.5
Immunoreactive trypsinogen (IRT)	<15	ng/mL	< 65.0
Phenylalanine	22.4	μmol/L	< 150.0
Amino acid profile	negative		-
Acylcarnitine profile	negative		-

Interpretation: NEGATIVE RESULT

Contact Details

Assoc.-Prof. Dr. Andrea-Romana KASPER, MD, PhD
E-Mail: info@archimedlife.com

Patient name	LEYVA JIMENEZ CARLOS ANDRES
Date of Birth	28.03.2026

Sample-ID	A0358511
Gender	M

Results:

Parameter	Value	Unit	Reference
Phenylalanine (Phe)	22.4	µmol/L	< 150.0
Phenylalanine / Tyrosine ratio (Phe/Tyr)	0.55	µmol/L	< 2.20
Tyrosine (Tyr)	40.4	µmol/L	< 200.0
Leucine (Leu)	105.6	µmol/L	< 270.0
Valine (Val)	36.7	µmol/L	< 200.0
Methionine (MET)	17.0	µmol/L	< 78.0
Methionine / Phenylalanine (Met/Phe)	0.76	µmol/L	< 1.60
Citrulline (Cit)	12.3	µmol/L	< 50.0
Ornithine (Orn)	39.4	µmol/L	< 250.0
Ornithine / Citrulline ratio (Orn/Cit)	3.20	µmol/L	1.50 - 20.00
Proline (Pro)	83.2	µmol/L	< 350.0
Alanine (Ala)	92.9	µmol/L	< 750.0
Arginine (Arg)	43.3	µmol/L	< 100.0
Aspartic acid (Asp)	45.9	µmol/L	< 100.0
Glutamic acid (Glu)	141.3	µmol/L	< 600.0
Glycamine (Gly)	116.8	µmol/L	< 700.0
Free carnitine (C0)	26.60	µmol/L	6.00 - 100.00
acetylcarnitine (C2)	12.76	µmol/L	1.34 - 48.81
propionylcarnitine (C3)	1.18	µmol/L	0.13 - 6.60
butyryl-/isobutyrylcarnitine (C4)	0.14	µmol/L	0.03 - 0.90
isovaleryl-/2-methylbutyrylcarnitine(C5)	0.07	µmol/L	0.02 - 2.00
tiglylcarnitine (C5:1)	0.01	µmol/L	< 0.20
hydroxyvalerylcarnitine (C5OH)	0.42	µmol/L	0.02 - 0.57
glutaryl carnitine (C5DC)	0.04	µmol/L	< 0.30
hexanoylcarnitine (C6)	0.04	µmol/L	0.01 - 0.13
octanoylcarnitine (C8)	0.04	µmol/L	0.01 - 0.30
decanoylcarnitine (C10)	0.05	µmol/L	0.01 - 0.36
decenoylcarnitine (C10:1)	0.09	µmol/L	< 0.30
dodecanoylcarnitine (C12)	0.06	µmol/L	0.10 - 0.60
myristoylcarnitine (C14)	0.13	µmol/L	0.01 - 0.57
tetradecenoylcarnitine (C14:1)	0.03	µmol/L	0.10 - 0.43
palmitoylcarnitine (C16)	1.30	µmol/L	0.62 - 7.81
3-hydroxypalmitoylcarnitine (C16OH)	0.03	µmol/L	< 0.10
stearoylcarnitine (C18)	0.54	µmol/L	0.30 - 2.40
oleylcarnitine (C18:1)	2.67	µmol/L	0.06 - 3.86
3-hydroxystearoylcarnitine (C18OH)	0.01	µmol/L	< 0.09
malonylcarnitine (C3DC)	0.05	µmol/L	< 0.50

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.

Contact Details

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