

CODIGO :

173490

NOMBRE PACIENTE :

IAN DAVID NIÑO MALAMBO

FECHA DE NACIMIENTO :

23/04/2026

NOMBRE RESPONSABLE :

MICHELLE JULIETH MALAMBO LOAIZA

DOC.IDENTIDAD DE LA MADRE :

1,007,585,791

FECHA TOMA DE MUESTRA :

21/05/2026

FECHA DE IMPRESIÓN :

10/06/2026

SEXO : MASCULINO

REGISTRO CIVIL: 1,069,269,854

TIPO DE MUESTRA : TALÓN

PESO : 2325



TAMIZAJE NEONATAL

ANÁLISIS MUESTRA DE SANGRE

	RESULTADO	VALORES DE REFERENCIA	INTERPRETACIÓN
T.S.H Neonatal	1.03 µl/mL	>= 6 µl/mL talón en prematuros >= 10 µl/mL talón >= 15 µl/mL cordón	Normal
Deficiencia de G6PDH	6.20 U/gHb	< 2.6 U/gHb	Normal
TÉCNICA: Fluoroimmunoensayo (Delfia).		Procesado en Colombia por PREGEN.	
Hemoglobinopatías	FA	Ausencia de hemoglobinas anormales	Normal
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
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

Bacterióloga

Reg. 40.936.003

PROCESADO :

MARIA JOSE PINZON GARCIA

Bacterióloga

Reg. 1.015.469.392

FECHA :

10/06/2026

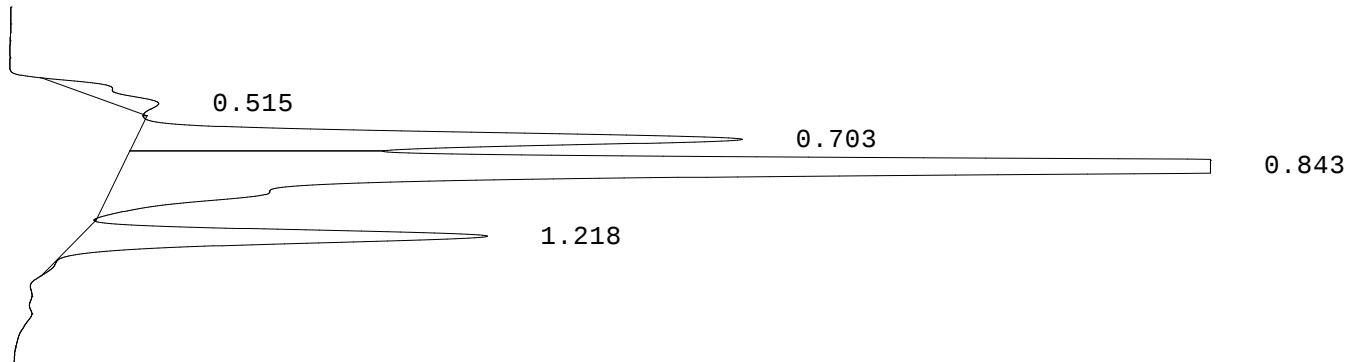
Cra 15A N.106-42 Celulares: 318 735 08 83 - 316 617 25 34

Código:TME-A-FR-050B Fecha versión:20251130

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`LABORATORIO PREGEN
Carrera 15a No 106-42
BOGOTA

Batch 2156, Rack A, Plate 1, Well C08, 173490
[DD79E692FDDAE6C8] May 26, 2026 12:31:21 Pressure = 66 bar (66 to 68)

FA



PEAK	RT	REL	RT	% CONC	AREA	COMMENT
1	0.515	F	0.60	2.3%	35719	
2	0.703	F	0.82	18.2%	277798	Acetylated F peak
3	0.843	F	0.99	68.0%	1040675	Consistent with F
4	1.218	A	1.00	11.5%	175346	A peak
Total Area: 1529538						

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 08.06.2026
Sample Received 29.05.2026
Date of Sampling 21.05.2026
LAB-ID 262023991

Medical Report

Patient name	NIÑO MALAMBO IAN DAVID	Sample-ID	A0341559
Date of Birth	23.04.2026	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)	2325	g	-
17-hydroxyprogesterone (17OHP)	9.6	nmol/L	< 90.0
Thyroid-stimulating hormone (TSH)	<0.7	μU/mL	< 15.0
Biotinidase	233.1	U	> 51.0
Galactose-1-P-uridyltransferase (GALT)	9.1	U/g Hb	> 2.5
Immunoreactive trypsinogen (IRT)	<15	ng/mL	< 65.0
Phenylalanine	18.9	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	NIÑO MALAMBO IAN DAVID
Date of Birth	23.04.2026

Sample-ID	A0341559
Gender	M

Results:

Amino Acids

Parameter	Value	Unit	Reference
Phenylalanine (Phe)	18.9	µmol/L	< 150.0
Phenylalanine / Tyrosine ratio (Phe/Tyr)	0.31	µmol/L	< 2.20
Tyrosine (Tyr)	60.5	µmol/L	< 200.0
Leucine (Leu)	125.6	µmol/L	< 270.0
Valine (Val)	50.1	µmol/L	< 200.0
Methionine (MET)	17.5	µmol/L	< 78.0
Methionine / Phenylalanine (Met/Phe)	0.93	µmol/L	< 1.60
Citrulline (Cit)	8.3	µmol/L	< 50.0
Ornithine (Orn)	91.3	µmol/L	< 250.0
Ornithine / Citrulline ratio (Orn/Cit)	11.00	µmol/L	1.50 - 20.00
Proline (Pro)	98.4	µmol/L	< 350.0
Alanine (Ala)	148.7	µmol/L	< 750.0
Arginine (Arg)	28.9	µmol/L	< 100.0
Aspartic acid (Asp)	35.4	µmol/L	< 100.0
Glutamic acid (Glu)	211.4	µmol/L	< 600.0
Glycamine (Gly)	152.9	µmol/L	< 700.0

Acylcarnitines

Free carnitine (C0)	15.56	µmol/L	6.00 - 100.00
acetylcarnitine (C2)	10.03	µmol/L	1.34 - 48.81
propionylcarnitine (C3)	0.91	µmol/L	0.13 - 6.60
butyryl-/isobutyrylcarnitine (C4)	0.12	µmol/L	0.03 - 0.90
isovaleryl-/2-methylbutyrylcarnitine(C5)	0.13	µmol/L	0.02 - 2.00
tiglylcarnitine (C5:1)	0.01	µmol/L	< 0.20
hydroxyvalerylcarnitine (C5OH)	0.31	µmol/L	0.02 - 0.57
glutaryl carnitine (C5DC)	0.03	µmol/L	< 0.30
hexanoylcarnitine (C6)	0.04	µmol/L	0.01 - 0.13
octanoylcarnitine (C8)	0.03	µmol/L	0.01 - 0.30
decanoylcarnitine (C10)	0.02	µmol/L	0.01 - 0.36
decenoylcarnitine (C10:1)	0.07	µmol/L	< 0.30
dodecanoylcarnitine (C12)	0.05	µmol/L	0.10 - 0.60
myristoylcarnitine (C14)	0.07	µmol/L	0.01 - 0.57
tetradecenoylcarnitine (C14:1)	0.07	µmol/L	0.10 - 0.38
palmitoylcarnitine (C16)	0.70	µmol/L	0.62 - 7.81
3-hydroxypalmitoylcarnitine (C16OH)	0.02	µmol/L	< 0.10
stearoylcarnitine (C18)	0.36	µmol/L	0.30 - 2.40
oleyl carnitine (C18:1)	2.20	µmol/L	0.06 - 3.86
3-hydroxystearoylcarnitine (C18OH)	0.01	µmol/L	< 0.09
malonylcarnitine (C3DC)	0.05	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, methylglutaconiduria, 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.

Contact Details
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