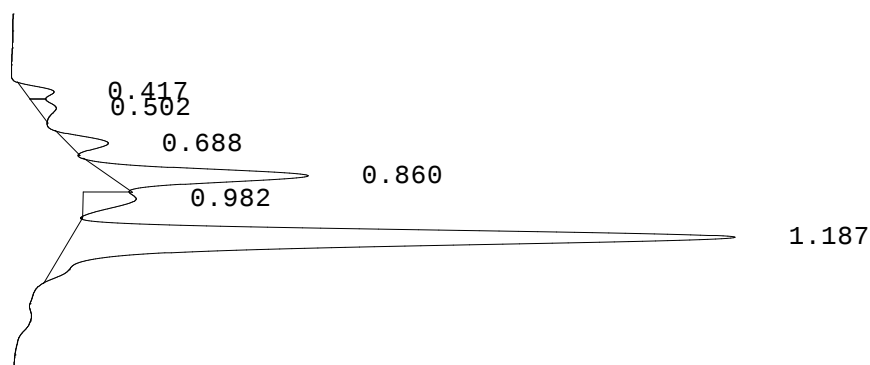




LABORATORIO PREGEN
Carrera 15a No 106-42
BOGOTA

Batch 2185, Rack A, Plate 1, Well F04, 173824
[CD3CFB5674924462] Jun 25, 2026 13:57:58 Pressure = 72 bar (72 to 73)

AF



PEAK	RT	REL	RT	% CONC	AREA	COMMENT
1	0.417	F	0.49	1.9%	9109	
2	0.502	F	0.59	1.8%	8660	
3	0.688	F	0.81	3.2%	15453	
4	0.860	F	1.01	16.9%	80828	Consistent with F
5	0.982	F	1.15	5.2%	25033	3
6	1.187	A	1.01	70.9%	338475	A peak - REVIEW
Total Area: 477558						

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 10.07.2026
Sample Received 30.06.2026
Date of Sampling 23.06.2026
LAB-ID 262029617

Medical Report

Patient name	MENDOZA SIERRA MARIA VICKTORIA	Sample-ID	A0358613
Date of Birth	25.03.2026	Gender	F

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)	3980	g	-
17-hydroxyprogesterone (17OHP)	<5.0	nmol/L	< 90.0
Thyroid-stimulating hormone (TSH)	<0.7	μU/mL	< 15.0
Biotinidase	327.3	U	> 51.0
Galactose-1-P-uridyltransferase (GALT)	6.4	U/g Hb	> 2.5
Immunoreactive trypsinogen (IRT)	<15	ng/mL	< 65.0
Phenylalanine	23.4	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	MENDOZA SIERRA MARIA VICKTORIA
Date of Birth	25.03.2026

Sample-ID	A0358613
Gender	F

Results:

Parameter	Value	Unit	Reference
Phenylalanine (Phe)	23.4	µmol/L	< 150.0
Phenylalanine / Tyrosine ratio (Phe/Tyr)	0.53	µmol/L	< 2.20
Tyrosine (Tyr)	44.5	µmol/L	< 200.0
Leucine (Leu)	103.1	µmol/L	< 270.0
Valine (Val)	50.0	µmol/L	< 200.0
Methionine (MET)	19.7	µmol/L	< 78.0
Methionine / Phenylalanine (Met/Phe)	0.84	µmol/L	< 1.60
Citrulline (Cit)	16.1	µmol/L	< 50.0
Ornithine (Orn)	140.9	µmol/L	< 250.0
Ornithine / Citrulline ratio (Orn/Cit)	8.75	µmol/L	1.50 - 20.00
Proline (Pro)	82.9	µmol/L	< 350.0
Alanine (Ala)	294.7	µmol/L	< 750.0
Arginine (Arg)	26.9	µmol/L	< 100.0
Aspartic acid (Asp)	111.7	µmol/L	< 100.0
Glutamic acid (Glu)	224.0	µmol/L	< 600.0
Glycamine (Gly)	260.5	µmol/L	< 700.0
Free carnitine (C0)	14.36	µmol/L	6.00 - 100.00
acetylcarnitine (C2)	5.37	µmol/L	1.34 - 48.81
propionylcarnitine (C3)	1.35	µmol/L	0.13 - 6.60
butyryl-/isobutyrylcarnitine (C4)	0.14	µmol/L	0.03 - 0.90
isovaleryl-/2-methylbutyrylcarnitine(C5)	0.20	µmol/L	0.02 - 2.00
tiglylcarnitine (C5:1)	0.02	µmol/L	< 0.20
hydroxyvalerylcarnitine (C5OH)	0.32	µmol/L	0.02 - 0.57
glutaryl carnitine (C5DC)	0.04	µmol/L	< 0.30
hexanoylcarnitine (C6)	0.05	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)	0.05	µmol/L	< 0.30
dodecanoylcarnitine (C12)	0.04	µmol/L	0.10 - 0.60
myristoylcarnitine (C14)	0.12	µmol/L	0.01 - 0.57
tetradecenoylcarnitine (C14:1)	0.03	µmol/L	0.10 - 0.43
palmitoylcarnitine (C16)	1.05	µmol/L	0.62 - 7.81
3-hydroxypalmitoylcarnitine (C16OH)	0.03	µmol/L	< 0.10
stearoylcarnitine (C18)	0.65	µmol/L	0.30 - 2.40
oleylcarnitine (C18:1)	3.34	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

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

ARCHIMEDlife GmbH
International Medical Laboratory+
Leberstrasse 20/2 | 1110 Vienna, Austria
www.archimedlife.com