



CODIGO : 172354
NOMBRE PACIENTE : H/ KEREN SARAY MAYZ CARBAJAL **SEXO :** MASCULINO
FECHA DE NACIMIENTO : 17/11/2025
NOMBRE RESPONSABLE : KEREN SARAY MAYZ CARBAJAL
DOC.IDENTIDAD DE LA MADRE : 6,306,505
FECHA TOMA DE MUESTRA : 17/11/2025 **TIPO DE MUESTRA :** TALÓN
FECHA DE IMPRESIÓN : 28/02/2026 **PESO :** 2925

TAMIZAJE NEONATAL

ANÁLISIS MUESTRA DE SANGRE

	RESULTADO	VALORES DE REFERENCIA	INTERPRETACIÓN
T.S.H Neonatal	2.60	>= 6 µl/mL talón en prematuros >= 10 µl/mL talón >= 15 µl/mL cordón	Normal
Deficiencia de G6PDH	6.50	> 2.6 U/gHb	Normal
<i>TÉCNICA: Fluoroimmunoensayo (Delfia).</i>			<i>Procesado en Colombia por PREGEN.</i>
Hemoglobinopatías	ASF	Cromatograma compatible con posible rasgo	Anormal
<i>TÉCNICA: Cromatografía Líquida de Alto Rendimiento (HPLC).</i>			<i>Procesado en Colombia por PREGEN.</i>
<i>DETECCION DE POSIBLE VARIANTE DE HEMOGLOBINA S</i>			

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, C50H, C3, C5:1

Ausencia de metabolitos anormales Normal

RESULTADOS NORMALES

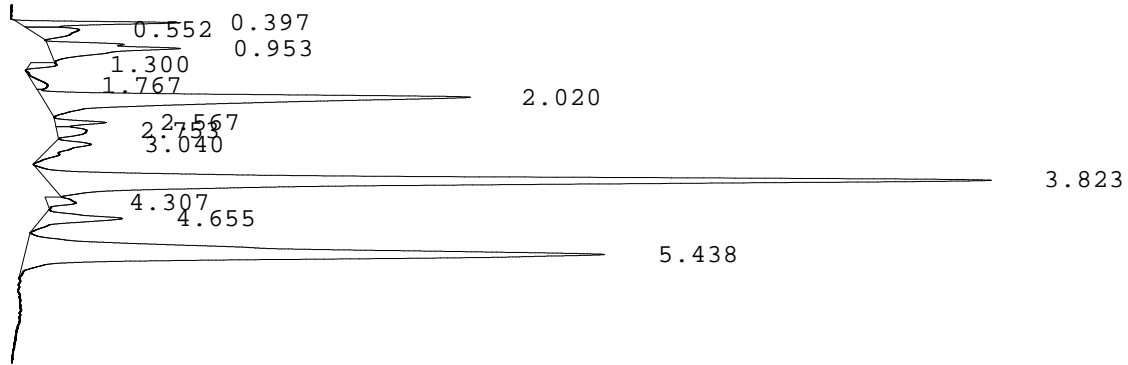
Recuerde que estas son pruebas de tamizaje que solo indican la probabilidad de que el recién nacido tenga una de las enfermedades estudiadas por el programa y pueden requerir pruebas adicionales para la confirmación de algún diagnóstico. La sensibilidad de estas pruebas se reduce a medida que aumenta la edad del paciente, por esto es conveniente realizarlas dentro del primer mes de nacido.

REVISADO : EDUVILIA JOHANA GOMEZ **PROCESADO :** MARIA JOSE PINZON GARCIA **FECHA :**
Bacterióloga Bacterióloga
Reg. 40.936.003 Reg. 1.015.469.392 28/02/2026

LABORATORIO PREGEN
 Carrera 15a No 106-42
 BOGOTA

Batch 2078, Rack A, Plate 1, Well E07, 172354
 [887367D81F5B7B9D] Feb 18, 2026 13:09:13 Pressure = 57 bar (54 to 58)

ASF



PEAK	RT	REL RT	% CONC	AREA	COMMENT
1	0.397	F 0.20	2.5%	40875	
2	0.552	F 0.27	1.8%	29499	
3	0.953	F 0.47	4.9%	78283	
4	1.300	F 0.65	0.6%	9541	
5	1.767	F 0.88	0.5%	8666	
6	2.020	F 1.00	16.8%	270221	Consistent with F
7	2.567	F 1.28	1.0%	16504	
8	2.753	F 1.37	1.1%	17568	
9	3.040	A 0.79	1.8%	29170	
10	3.823	A 1.00	36.1%	581933	A peak - REVIEW
11	4.307	A 1.12	0.9%	14895	
12	4.655	S 0.87	2.8%	44965	3
13	5.438	S 1.01	29.1%	469548	Consistent with S
Total Area: 1611668					A/V=1.24

- Codes:
- 1) Wide A peak
 - 2) Area of A peak < 80%
 - 3) Peak area greater than expected
 - 4) Peak after A2
 - 5) Alc > 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 - PREGEN
BOGOTA
CARRERA 15 A # 106 - 42
11001 BOGOTA
Colombia

Date of Report 27.02.2026
Sample Received 23.02.2026
Date of Sampling 13.02.2026
LAB-ID 262007818

Medical Report

Patient name	MAYZ CARBAJAL H/ KEREN SARAY	Sample-ID	A0362073
Date of Birth	17.11.2025	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)	2925	g	-
17-hydroxyprogesterone (17OHP)	<5.0	nmol/L	< 90.0
Thyroid-stimulating hormone (TSH)	2.5	µU/mL	< 15.0
Biotinidase	415.7	U	> 51.0
Galactose-1-P-uridyltransferase (GALT)	11.0	U/g Hb	> 2.5
Immunoreactive trypsinogen (IRT)	16.7	ng/mL	< 65.0
Phenylalanine	30.7	µmol/L	< 150.0
Amino acid profile	negative		-
Acylcarnitine profile	negative		-

Interpretation: NEGATIVE RESULT

Patient name	MAYZ CARBAJAL H/ KEREN SARAY
Date of Birth	17.11.2025

Sample-ID	A0362073
Gender	M

Results:

Parameter	Value	Unit	Reference
Phenylalanine (Phe)	30.7	µmol/L	< 150.0
Phenylalanine / Tyrosine ratio (Phe/Tyr)	0.51	µmol/L	< 2.20
Tyrosine (Tyr)	59.7	µmol/L	< 200.0
Leucine (Leu)	92.6	µmol/L	< 270.0
Valine (Val)	45.5	µmol/L	< 200.0
Methionine (MET)	28.0	µmol/L	< 78.0
Methionine / Phenylalanine (Met/Phe)	0.91	µmol/L	< 1.60
Citrulline (Cit)	14.2	µmol/L	< 50.0
Ornithine (Orn)	84.3	µmol/L	< 250.0
Ornithine / Citrulline ratio (Orn/Cit)	5.94	µmol/L	1.50 - 20.00
Proline (Pro)	88.1	µmol/L	< 350.0
Alanine (Ala)	136.8	µmol/L	< 750.0
Arginine (Arg)	27.1	µmol/L	< 100.0
Aspartic acid (Asp)	75.9	µmol/L	< 100.0
Glutamic acid (Glu)	189.0	µmol/L	< 600.0
Glycamine (Gly)	126.3	µmol/L	< 700.0
Free carnitine (C0)	25.66	µmol/L	6.00 - 100.00
acetylcarnitine (C2)	30.63	µmol/L	1.34 - 48.81
propionylcarnitine (C3)	2.73	µmol/L	0.13 - 6.60
butyryl-/isobutyrylcarnitine (C4)	0.12	µmol/L	0.03 - 0.90
isovaleryl-/2-methylbutyrylcarnitine(C5)	0.10	µmol/L	0.02 - 2.00
tiglylcarnitine (C5:1)	0.01	µmol/L	< 0.20
hydroxyvalerylcarnitine (C5OH)	0.34	µmol/L	0.02 - 0.57
glutaryl carnitine (C5DC)	0.04	µmol/L	< 0.30
hexanoylcarnitine (C6)	0.06	µmol/L	0.01 - 0.13
octanoylcarnitine (C8)	0.05	µmol/L	0.01 - 0.30
decanoylcarnitine (C10)	0.06	µmol/L	0.01 - 0.36
decenoylcarnitine (C10:1)	0.16	µmol/L	< 0.30
decadienoylcarnitine (C10:2)	0.03	µmol/L	< 0.10
dodecanoylcarnitine (C12)	0.09	µmol/L	0.10 - 0.60
myristoylcarnitine (C14)	0.24	µmol/L	0.01 - 0.57
tetradecenoylcarnitine (C14:1)	0.12	µmol/L	0.10 - 0.38
palmitoylcarnitine (C16)	2.36	µmol/L	0.62 - 7.81
3-hydroxypalmitoylcarnitine (C16OH)	0.03	µmol/L	< 0.10
stearoylcarnitine (C18)	1.21	µmol/L	0.30 - 2.40
oleylcarnitine (C18:1)	6.69	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.