

**CODIGO :**  
**NOMBRE PACIENTE :**  
**FECHA DE NACIMIENTO :**  
**NOMBRE RESPONSABLE :**  
**DOC.IDENTIDAD DE LA MADRE :**  
**FECHA TOMA DE MUESTRA :**  
**FECHA DE IMPRESIÓN :**

**173941**  
**AARON ALEXIS PARRA TRECO**  
**07/04/2026**  
**LINA MARCELA TRECO ESPITIA**  
**1,090,525,297**  
**06/07/2026**  
**23/07/2026**

**SEXO : MASCULINO**  
**REGISTRO CIVIL: 1,249,372,236**  
**TIPO DE MUESTRA : TALÓN**  
**PESO : 3075**



TAMIZAJE NEONATAL

ANÁLISIS MUESTRA DE SANGRE

|                                                            | RESULTADO  | VALORES DE REFERENCIA                                                     | INTERPRETACIÓN |
|------------------------------------------------------------|------------|---------------------------------------------------------------------------|----------------|
| T.S.H Neonatal                                             | 0.92 µU/mL | >= 6 µU/mL talón en prematuros<br>>= 10 µU/mL talón<br>>= 15 µU/mL cordón | Normal         |
| Deficiencia de G6PDH                                       | 6.40 U/gHb | < 2.6 U/gHb                                                               | Normal         |
| TÉCNICA: Fluoroimmunoensayo (Delfia).                      |            | Procesado en Colombia por PREGEN.                                         |                |
| Hemoglobinopatías                                          | AF         | 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**

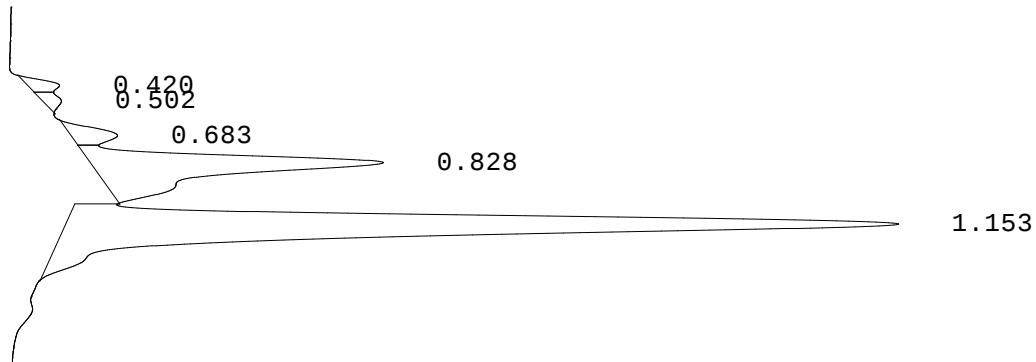
**PROCESADO :**  
**MARIA JOSE PINZON GARCIA**  
**Bacterióloga**  
**Reg. 1.015.469.392**

**FECHA :**  
**23/07/2026**

LABORATORIO PREGEN  
Carrera 15a No 106-42  
BOGOTA

Batch 2194, Rack A, Plate 1, Well F03, 173941  
[D938814AE9826E48] Jul 09, 2026 12:28:33 Pressure = 79 bar (79 to 82)

AF



| PEAK        | RT    | REL RT | % CONC | AREA   | COMMENT           |
|-------------|-------|--------|--------|--------|-------------------|
| 1           | 0.420 | F 0.51 | 1.4%   | 10493  |                   |
| 2           | 0.502 | F 0.60 | 1.1%   | 8476   |                   |
| 3           | 0.683 | F 0.82 | 3.0%   | 21816  | Acetylated F peak |
| 4           | 0.828 | F 1.00 | 25.2%  | 186516 | Consistent with F |
| 5           | 1.153 | A 1.00 | 69.2%  | 511843 | A peak - REVIEW   |
| Total Area: |       |        |        | 739144 |                   |

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 21.07.2026  
Sample Received 20.07.2026  
Date of Sampling 06.07.2026  
LAB-ID 262032383

## Medical Report

|               |                                 |           |          |
|---------------|---------------------------------|-----------|----------|
| Patient name  | <b>PARRA TRECO AARON ALEXIS</b> | Sample-ID | A0358573 |
| Date of Birth | <b>07.04.2026</b>               | 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)                       | 3075     | g      | -         |
| 17-hydroxyprogesterone (17OHP)         | <5.0     | nmol/L | < 90.0    |
| Thyroid-stimulating hormone (TSH)      | <0.7     | μU/mL  | < 15.0    |
| Biotinidase                            | 180.5    | U      | > 51.0    |
| Galactose-1-P-uridyltransferase (GALT) | 7.8      | U/g Hb | > 2.5     |
| Immunoreactive trypsinogen (IRT)       | 20.3     | ng/mL  | < 65.0    |
| Phenylalanine                          | 32.5     | μmol/L | < 150.0   |
| Amino acid profile                     | negative |        | -         |
| Acylcarnitine profile                  | negative |        | -         |

**Interpretation:** NEGATIVE RESULT

### Contact Details

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E-Mail: [info@archimedlife.com](mailto:info@archimedlife.com)

|               |                                 |
|---------------|---------------------------------|
| Patient name  | <b>PARRA TRECO AARON ALEXIS</b> |
| Date of Birth | <b>07.04.2026</b>               |

|           |          |
|-----------|----------|
| Sample-ID | A0358573 |
| Gender    | M        |

## Results:

| Parameter                                | Value | Unit   | Reference     |
|------------------------------------------|-------|--------|---------------|
| Phenylalanine (Phe)                      | 32.5  | µmol/L | < 150.0       |
| Phenylalanine / Tyrosine ratio (Phe/Tyr) | 0.44  | µmol/L | < 2.20        |
| Tyrosine (Tyr)                           | 73.9  | µmol/L | < 200.0       |
| Leucine (Leu)                            | 112.8 | µmol/L | < 270.0       |
| Valine (Val)                             | 46.2  | µmol/L | < 200.0       |
| Methionine (MET)                         | 20.7  | µmol/L | < 78.0        |
| Methionine / Phenylalanine (Met/Phe)     | 0.64  | µmol/L | < 1.60        |
| Citrulline (Cit)                         | 9.9   | µmol/L | < 50.0        |
| Ornithine (Orn)                          | 78.6  | µmol/L | < 250.0       |
| Ornithine / Citrulline ratio (Orn/Cit)   | 7.94  | µmol/L | 1.50 - 20.00  |
| Proline (Pro)                            | 106.1 | µmol/L | < 350.0       |
| Alanine (Ala)                            | 128.2 | µmol/L | < 750.0       |
| Arginine (Arg)                           | 13.6  | µmol/L | < 100.0       |
| Aspartic acid (Asp)                      | 61.2  | µmol/L | < 100.0       |
| Glutamic acid (Glu)                      | 202.7 | µmol/L | < 600.0       |
| Glycamine (Gly)                          | 135.7 | µmol/L | < 700.0       |
| Free carnitine (C0)                      | 35.87 | µmol/L | 6.00 - 100.00 |
| acetylcarnitine (C2)                     | 18.50 | µmol/L | 1.34 - 48.81  |
| propionylcarnitine (C3)                  | 1.96  | µmol/L | 0.13 - 6.60   |
| butyryl-/isobutyrylcarnitine (C4)        | 0.20  | µmol/L | 0.03 - 0.90   |
| isovaleryl-/2-methylbutyrylcarnitine(C5) | 0.16  | µmol/L | 0.02 - 2.00   |
| tiglylcarnitine (C5:1)                   | 0.02  | µmol/L | < 0.20        |
| hydroxyvalerylcarnitine (C5OH)           | 0.38  | µmol/L | 0.02 - 0.57   |
| glutaryl carnitine (C5DC)                | 0.04  | µmol/L | < 0.30        |
| hexanoylcarnitine (C6)                   | 0.07  | µmol/L | 0.01 - 0.13   |
| octanoylcarnitine (C8)                   | 0.05  | µmol/L | 0.01 - 0.30   |
| decanoylcarnitine (C10)                  | 0.05  | µmol/L | 0.01 - 0.36   |
| decenoylcarnitine (C10:1)                | 0.16  | µmol/L | < 0.30        |
| dodecanoylcarnitine (C12)                | 0.09  | µmol/L | 0.10 - 0.60   |
| myristoylcarnitine (C14)                 | 0.19  | µmol/L | 0.01 - 0.57   |
| tetradecenoylcarnitine (C14:1)           | 0.11  | µmol/L | 0.10 - 0.43   |
| palmitoylcarnitine (C16)                 | 1.41  | µmol/L | 0.62 - 7.81   |
| 3-hydroxypalmitoylcarnitine (C16OH)      | 0.04  | µmol/L | < 0.10        |
| stearoylcarnitine (C18)                  | 0.94  | µmol/L | 0.30 - 2.40   |
| oleylcarnitine (C18:1)                   | 3.31  | µmol/L | 0.06 - 3.86   |
| 3-hydroxystearoylcarnitine (C18OH)       | 0.02  | µmol/L | < 0.09        |
| malonylcarnitine (C3DC)                  | 0.08  | 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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