

**CODIGO :** 173877

**NOMBRE PACIENTE :** JESUS DAVID TORRADO TORRES **SEXO :** MASCULINO

**FECHA DE NACIMIENTO :** 27/03/2026 **REG.NACIDO VIVO:** 0

**NOMBRE RESPONSABLE :** PAOLA ANDREA TORRES LANDINES

**DOC.IDENTIDAD DE LA MADRE :** 1,098,701,875

**FECHA TOMA DE MUESTRA :** 26/06/2026 **TIPO DE MUESTRA :** TALÓN

**FECHA DE IMPRESIÓN :** 24/07/2026 **PESO :** 4000



**TAMIZAJE NEONATAL**

**ANÁLISIS MUESTRA DE SANGRE**

|                      | RESULTADO   | VALORES DE REFERENCIA                                                        | INTERPRETACIÓN |
|----------------------|-------------|------------------------------------------------------------------------------|----------------|
| T.S.H Neonatal       | 1.35 µUL/mL | >= 6 µUL/mL talón en prematuros<br>>= 10 µUL/mL talón<br>>= 15 µUL/mL cordón | Normal         |
| Deficiencia de G6PDH | 4.00 U/gHb  | < 2.6 U/gHb                                                                  | Normal         |

*TÉCNICA: Fluoroimmunoensayo (Delfia).* *Procesado en Colombia por PREGEN.*

|                                                                   |    |                                          |        |
|-------------------------------------------------------------------|----|------------------------------------------|--------|
| Hemoglobinopatías                                                 | AF | Ausencia de hemoglobinas anormales       | Normal |
| <i>TÉCNICA: Cromatografía Líquida de Alto Rendimiento (HPLC).</i> |    | <i>Procesado en Colombia por PREGEN.</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, C5OH, C3, C5:1 |        |
| Ausencia de metabolitos anormales                                                    | Normal |

**RESULTADOS NORMALES**

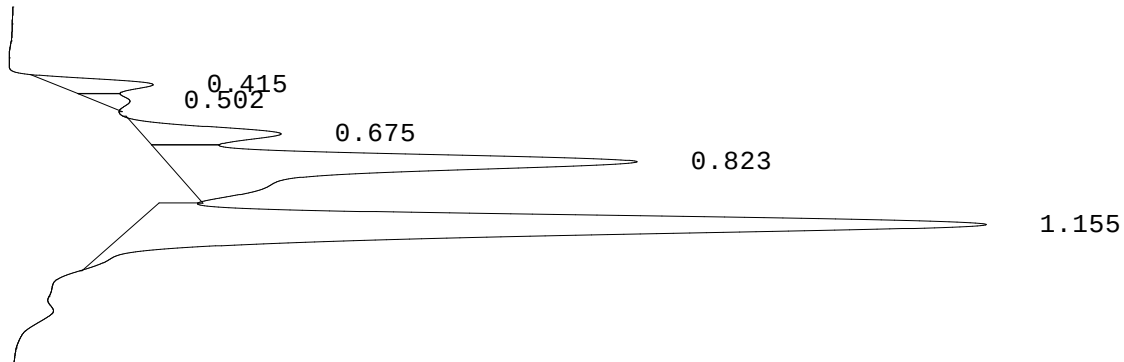
Recuerde que estas son pruebas de tamizaje que solo indican la probabilidad de que el recién nacido tenga una de las enfermedades estudiadas por el programa y pueden requerir pruebas adicionales para la confirmación de algún diagnóstico. La sensibilidad de estas pruebas se reduce a medida que aumenta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

|                                         |                                             |                |
|-----------------------------------------|---------------------------------------------|----------------|
| <b>REVISADO :</b> EDUVILIA JOHANA GOMEZ | <b>PROCESADO :</b> MARIA JOSE PINZON GARCIA | <b>FECHA :</b> |
| Bacterióloga                            | Bacterióloga                                |                |
| Reg. 40.936.003                         | Reg. 1.015.469.392                          | 24/07/2026     |

LABORATORIO PREGEN  
Carrera 15a No 106-42  
BOGOTA

Batch 2194, Rack A, Plate 1, Well H04, 173877-P  
[992DD05FB677199D] Jul 09, 2026 13:19:05 Pressure = 79 bar (79 to 82)

AF



| PEAK               | RT    | REL RT | % CONC | AREA   | COMMENT           |
|--------------------|-------|--------|--------|--------|-------------------|
| 1                  | 0.415 | F 0.50 | 3.6%   | 34508  |                   |
| 2                  | 0.502 | F 0.60 | 1.5%   | 13885  |                   |
| 3                  | 0.675 | F 0.81 | 6.8%   | 64620  | Acetylated F peak |
| 4                  | 0.823 | F 0.99 | 30.9%  | 293169 | Consistent with F |
| 5                  | 1.155 | A 1.00 | 57.1%  | 541712 | A peak - REVIEW   |
| Total Area: 947894 |       |        |        |        |                   |

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 11.07.2026  
Sample Received 07.07.2026  
Date of Sampling 26.06.2026  
LAB-ID 262030693

## Medical Report

|               |                                   |           |          |
|---------------|-----------------------------------|-----------|----------|
| Patient name  | <b>TORRADO TORRES JESUS DAVID</b> | Sample-ID | A0358495 |
| Date of Birth | <b>27.03.2026</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)                       | 4000     | g      | -         |
| 17-hydroxyprogesterone (17OHP)         | <5.0     | nmol/L | < 90.0    |
| Thyroid-stimulating hormone (TSH)      | 1.7      | μU/mL  | < 15.0    |
| Biotinidase                            | 276.8    | U      | > 51.0    |
| Galactose-1-P-uridyltransferase (GALT) | 7.7      | U/g Hb | > 2.5     |
| Immunoreactive trypsinogen (IRT)       | <15      | ng/mL  | < 65.0    |
| Phenylalanine                          | 34.4     | 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](mailto:info@archimedlife.com)

|               |                                   |
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| Date of Birth | <b>27.03.2026</b>                 |

|           |          |
|-----------|----------|
| Sample-ID | A0358495 |
| Gender    | M        |

## Results:

| Parameter                                | Value | Unit   | Reference     |
|------------------------------------------|-------|--------|---------------|
| Phenylalanine (Phe)                      | 34.4  | µmol/L | < 150.0       |
| Phenylalanine / Tyrosine ratio (Phe/Tyr) | 0.56  | µmol/L | < 2.20        |
| Tyrosine (Tyr)                           | 61.5  | µmol/L | < 200.0       |
| Leucine (Leu)                            | 94.4  | µmol/L | < 270.0       |
| Valine (Val)                             | 43.3  | µmol/L | < 200.0       |
| Methionine (MET)                         | 28.9  | µmol/L | < 78.0        |
| Methionine / Phenylalanine (Met/Phe)     | 0.84  | µmol/L | < 1.60        |
| Citrulline (Cit)                         | 10.4  | µmol/L | < 50.0        |
| Ornithine (Orn)                          | 108.6 | µmol/L | < 250.0       |
| Ornithine / Citrulline ratio (Orn/Cit)   | 10.44 | µmol/L | 1.50 - 20.00  |
| Proline (Pro)                            | 88.8  | µmol/L | < 350.0       |
| Alanine (Ala)                            | 125.7 | µmol/L | < 750.0       |
| Arginine (Arg)                           | 10.6  | µmol/L | < 100.0       |
| Aspartic acid (Asp)                      | 54.1  | µmol/L | < 100.0       |
| Glutamic acid (Glu)                      | 234.9 | µmol/L | < 600.0       |
| Glycamine (Gly)                          | 146.1 | µmol/L | < 700.0       |
| Free carnitine (C0)                      | 41.48 | µmol/L | 6.00 - 100.00 |
| acetylcarnitine (C2)                     | 17.79 | µmol/L | 1.34 - 48.81  |
| propionylcarnitine (C3)                  | 1.63  | µmol/L | 0.13 - 6.60   |
| butyryl-/isobutyrylcarnitine (C4)        | 0.09  | 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)           | 0.36  | µmol/L | 0.02 - 0.57   |
| glutaryl carnitine (C5DC)                | 0.05  | µmol/L | < 0.30        |
| hexanoylcarnitine (C6)                   | 0.04  | 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)                | 0.08  | µmol/L | < 0.30        |
| dodecanoylcarnitine (C12)                | 0.08  | µmol/L | 0.10 - 0.60   |
| myristoylcarnitine (C14)                 | 0.22  | µmol/L | 0.01 - 0.57   |
| tetradecenoylcarnitine (C14:1)           | 0.11  | µmol/L | 0.10 - 0.43   |
| palmitoylcarnitine (C16)                 | 2.12  | µmol/L | 0.62 - 7.81   |
| 3-hydroxypalmitoylcarnitine (C16OH)      | 0.03  | µmol/L | < 0.10        |
| stearoylcarnitine (C18)                  | 1.18  | µmol/L | 0.30 - 2.40   |
| oleylcarnitine (C18:1)                   | 5.71  | µmol/L | 0.06 - 3.86   |
| 3-hydroxystearoylcarnitine (C18OH)       | 0.01  | µmol/L | < 0.09        |
| malonylcarnitine (C3DC)                  | 0.07  | 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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