

Accession Number: **YF70988076**Ordering Physician: **KATHERINE FILBECK**Collected: **2026-Jan-29 04:45 PM HST****Nonfasting****LINDGREN, ERIC**

Age: 43, DOB: 01/11/1983, Gender: Male

Patient ID: 1171704365711361

**DHEA-Sulfate****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:41 PM HST**Status:** Final

| TEST            | RESULT | FLAG | UNITS | REFERENCE RANGE |
|-----------------|--------|------|-------|-----------------|
| 1. DHEA-Sulfate | 90     |      | ug/dL | 70-495          |

**Insulin****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:54 PM HST**Status:** Final

| TEST              | RESULT      | FLAG     | UNITS         | REFERENCE RANGE |
|-------------------|-------------|----------|---------------|-----------------|
| 1. <b>Insulin</b> | <b>39.2</b> | <b>H</b> | <b>uIU/mL</b> | <b>1.9-23.0</b> |

**LH****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:54 PM HST**Status:** Final

| TEST  | RESULT | FLAG | UNITS  | REFERENCE RANGE |
|-------|--------|------|--------|-----------------|
| 1. LH | 3.4    |      | mIU/mL | 1.2-8.6         |

Males: = 1.2-8.6 mIU/mL  
 Females:  
   Mid-Follicular = 2.1-10.9 mIU/mL  
   Mid Cycle: = 19.2-103.0 mIU/mL  
   Mid-Luteal: = 1.2-12.9 mIU/mL  
   Postmenopause: = 10.9-58.6 mIU/mL

**T4, Free****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:54 PM HST**Status:** Final

| TEST        | RESULT | FLAG | UNITS | REFERENCE RANGE |
|-------------|--------|------|-------|-----------------|
| 1. T4, Free | 0.91   |      | ng/dL | 0.70-1.80       |

**TSH****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:54 PM HST**Status:** Final

| TEST   | RESULT | FLAG | UNITS  | REFERENCE RANGE |
|--------|--------|------|--------|-----------------|
| 1. TSH | 1.98   |      | uIU/mL | 0.30-4.20       |

**C-Reactive Protein (CRP)**

Accession Number: **YF70988076**Ordering Physician: **KATHERINE FILBECK**Collected: **2026-Jan-29 04:45 PM HST****Nonfasting****LINDGREN, ERIC**

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Patient ID: 1171704365711361

**Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:20 PM HST**Status:** Final

| TEST                        | RESULT | FLAG | UNITS | REFERENCE RANGE |
|-----------------------------|--------|------|-------|-----------------|
| 1. C-Reactive Protein (CRP) | <5.0   |      | mg/L  | <5.0            |

#### Ferritin

**Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:54 PM HST**Status:** Final

| TEST        | RESULT | FLAG | UNITS | REFERENCE RANGE |
|-------------|--------|------|-------|-----------------|
| 1. Ferritin | 55.1   |      | ng/mL | 23.9-336.2      |

#### CBC w/o Diff

**Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:08 PM HST**Status:** Final

| TEST                    | RESULT | FLAG | UNITS     | REFERENCE RANGE |
|-------------------------|--------|------|-----------|-----------------|
| 1. White Blood Count    | 6.28   |      | x10(3)/uL | 3.80-10.80      |
| 2. Red Blood Cell Count | 5.01   |      | x10(6)/uL | 4.00-6.20       |
| 3. Hemoglobin           | 14.9   |      | g/dL      | 13.7-17.5       |
| 4. Hematocrit           | 44.7   |      | %         | 40.1-51.0       |
| 5. MCV                  | 89.2   |      | fL        | 79.4-98.4       |
| 6. MCH                  | 29.7   |      | pg        | 26.0-34.0       |
| 7. MCHC                 | 33.3   |      | g/dL      | 32.0-36.0       |
| 8. RDW                  | 12.3   |      | %         | 11.6-14.4       |
| 9. Platelet Count       | 135    | L    | x10(3)/uL | 151-424         |

#### Sedimentation Rate

**Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:28 PM HST**Status:** Final

| TEST                  | RESULT | FLAG | UNITS | REFERENCE RANGE |
|-----------------------|--------|------|-------|-----------------|
| 1. Sedimentation Rate | 6      |      | mm/hr | 0-15            |

#### Estradiol

**Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:41 PM HST**Status:** Final

| TEST         | RESULT | FLAG | UNITS | REFERENCE RANGE |
|--------------|--------|------|-------|-----------------|
| 1. Estradiol | 24.5   |      | pg/mL | <31.6           |

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Male >=19 Y: = <31.6 pg/mL  
 Female >=19 Y:  
   Early Follicular = 22.4 - 115.0 pg/mL  
   Mid Follicular = 25.0 - 115.0 pg/mL  
   Ovulatory Peak = 32.1 - 517.0 pg/mL  
   Mid Luteal = 36.5 - 246.0 pg/mL  
   Postmenopause = <25.2 pg/mL  
 Pediatric:  
   Pediatric Male 0-1Y = <38.3 pg/mL  
   Pre-puberty Male 1-11Y = <15.0 pg/mL  
   Puberty Male 12-18Y = <34.9 pg/mL  
   Pediatric Female 0-1Y = <38.3 pg/mL  
   Pre-puberty Female 1-11Y = <16.1 pg/mL  
   Puberty Female 12-18Y = <196.1 pg/mL

**T3, Free****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:54 PM HST**Status:** Final

| TEST        | RESULT | FLAG | UNITS | REFERENCE RANGE |
|-------------|--------|------|-------|-----------------|
| 1. T3, Free | 3.7    |      | pg/mL | 2.5-3.9         |

**Lipid Profile w/Reflex LDL-D****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:20 PM HST**Status:** Final

| TEST                                | RESULT | FLAG | UNITS | REFERENCE RANGE |
|-------------------------------------|--------|------|-------|-----------------|
| 1. Cholesterol                      | 158    |      | mg/dL | <200            |
| 2. Triglycerides                    | 82     |      | mg/dL | <150            |
| 3. HDL-Cholesterol                  | 37     | L    | mg/dL | >=40            |
| 4. LDL-Cholesterol, Friedewald calc | 105    | H    | mg/dL | <100 optimal    |
| 5. Non-HDL Cholesterol, calc        | 121    |      | mg/dL | <130 optimal    |

**Comprehensive Metabolic Profile****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:20 PM HST**Status:** Final

| TEST                    | RESULT | FLAG | UNITS                     | REFERENCE RANGE |
|-------------------------|--------|------|---------------------------|-----------------|
| 1. Glucose              | 90     |      | mg/dL                     | 70-99           |
| 2. BUN                  | 30     | H    | mg/dL                     | 7-25            |
| 3. Creatinine           | 0.8    |      | mg/dL                     | 0.6-1.4         |
| 4. eGFR CKD-EPI Cr 2021 | 113    |      | mL/min/1.73m <sup>2</sup> | >=90*           |

*This CKD-EPI 2021 equation does not use a race coefficient. eGFR declines with age beginning at 40 years old, and it continues at a rate of approximately 10% per decade (Clin Kidney J.2017.10(4):545).*

|           |     |  |       |         |
|-----------|-----|--|-------|---------|
| 5. Sodium | 139 |  | mEq/L | 136-145 |
|-----------|-----|--|-------|---------|

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|                                 |            |          |            |               |
|---------------------------------|------------|----------|------------|---------------|
| 6. Potassium                    | 4.1        |          | mEq/L      | 3.3-5.1       |
| 7. Chloride                     | 104        |          | mEq/L      | 98-107        |
| 8. CO2                          | 26         |          | mEq/L      | 21-31         |
| 9. Calcium                      | 8.8        |          | mg/dL      | 8.6-10.3      |
| 10. SGOT (AST)                  | 28         |          | U/L        | 13-39         |
| 11. SGPT (ALT)                  | 41         |          | U/L        | 7-52          |
| <b>12. Alkaline Phosphatase</b> | <b>159</b> | <b>H</b> | <b>U/L</b> | <b>35-129</b> |
| 13. Bilirubin, Total            | 0.8        |          | mg/dL      | <=1.2         |
| 14. Total Protein               | 6.8        |          | g/dL       | 6.4-8.9       |
| 15. Albumin                     | 4.2        |          | g/dL       | 3.5-5.7       |
| 16. Globulin                    | 2.6        |          | g/dL       | 2.1-3.7       |
| 17. Albumin/Globulin Ratio      | 1.6        |          |            | 1.0 - 2.4     |

**Homocysteine, Total****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:41 PM HST**Status:** Final

| TEST                   | RESULT | FLAG | UNITS  | REFERENCE RANGE |
|------------------------|--------|------|--------|-----------------|
| 1. Homocysteine, Total | 8.8    |      | umol/L | 5-15            |

**Hemoglobin A1c****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-29 09:47 PM HST**Status:** Final

| TEST                         | RESULT | FLAG | UNITS | REFERENCE RANGE |
|------------------------------|--------|------|-------|-----------------|
| 1. Hemoglobin A1c            | 5.5    |      | %     | <5.7            |
| 2. Estimated Average Glucose | 111    |      | mg/dL |                 |

*Interpretation (Standards of Medical Care in Diabetes - 2019)*

|          |              |
|----------|--------------|
| <5.7%    | Normal       |
| 5.7-6.4% | Pre-Diabetes |
| >=6.5%   | Diabetes     |

**Tryptase****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Feb-05 11:10 PM HST**Status:** Final

| TEST        | RESULT | FLAG | UNITS | REFERENCE RANGE |
|-------------|--------|------|-------|-----------------|
| 1. Tryptase | 3.9    |      | mcg/L |                 |

**EXPECTED VALUES:**

&lt;11.0

*Test Performed at:**Quest Diagnostics Nichols Institute*

Accession Number: **YF70988076**Ordering Physician: **KATHERINE FILBECK**Collected: **2026-Jan-29 04:45 PM HST****Nonfasting****LINDGREN, ERIC**

Age: 43, DOB: 01/11/1983, Gender: Male

Patient ID: 1171704365711361

33608 Ortega Highway  
San Juan Capistrano, CA 92675-2042 I Maramica MD, PhD, MBA

**Vitamin D, 25-Hydroxy (D2 & D3)****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Feb-04 02:37 PM HST**Status:** Final

| TEST                       | RESULT | FLAG | UNITS | REFERENCE RANGE |
|----------------------------|--------|------|-------|-----------------|
| 1. Vitamin D, 25-OH, Total | 34     |      | ng/mL |                 |

**EXPECTED VALUES:**  
30-100

Vitamin D, 25-Hydroxy reports concentrations of two common forms, 25-OHD2 and 25-OHD3. 25-OHD3 indicates both endogenous production and supplementation. 25-OHD2 is an indicator of exogenous sources, such as diet or supplementation. Therapy is based on measurement of Total 25-OHD, with levels <20 ng/mL indicative of Vitamin D deficiency, while levels between 20 ng/mL and 30 ng/mL suggest insufficiency. Optimal levels are > or = 30 ng/mL.

Vitamin D is fat-soluble and therefore inadvertent or intentional ingestion of excessively high amounts could be toxic. Studies in children and adults suggest blood levels would need to exceed 150 ng/mL before there is any concern. Holick MF, Binkley NC, Bischoff-Ferrari HA, et al., Evaluation, treatment, and prevention of vitamin D deficiency: an Endocrine Society clinical practice guideline. J.Clin. Endocrinol.Metab.2011;96(7):1911-30.

|                         |    |  |       |  |
|-------------------------|----|--|-------|--|
| 2. Vitamin D, 25-OH, D3 | 34 |  | ng/mL |  |
|-------------------------|----|--|-------|--|

**EXPECTED VALUES:**  
NOT ESTABLISHED

|                         |    |  |       |  |
|-------------------------|----|--|-------|--|
| 3. Vitamin D, 25-OH, D2 | <4 |  | ng/mL |  |
|-------------------------|----|--|-------|--|

**EXPECTED VALUES:**  
NOT ESTABLISHED

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

For additional information, please refer to  
<http://education.QuestDiagnostics.com/faq/FAQ199>  
(This link is being provided for informational/educational purposes only.)

Test Performed at:  
Quest Diagnostics Nichols Institute  
33608 Ortega Highway  
San Juan Capistrano, CA 92675-2042 I Maramica MD, PhD, MBA

**Testosterone, Free, Total & Bioavail****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Feb-05 11:10 PM HST**Status:** Final

| TEST                           | RESULT | FLAG | UNITS | REFERENCE RANGE |
|--------------------------------|--------|------|-------|-----------------|
| 1. Testosterone, Total, LCMSMS | 416    |      | ng/dL |                 |

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EXPECTED VALUES:  
250-1100

For additional information, please refer to  
<http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMS>  
(This link is being provided for informational/educational purposes only.)

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Test Performed at:  
Quest Diagnostics Nichols Institute  
33608 Ortega Highway  
San Juan Capistrano, CA 92675-2042 I Maramica MD, PhD, MBA

|                       |      |       |
|-----------------------|------|-------|
| 2. Testosterone, Free | 48.6 | pg/mL |
|-----------------------|------|-------|

EXPECTED VALUES:  
46.0-224.0

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

|                               |      |   |       |
|-------------------------------|------|---|-------|
| 3. Testosterone, Bioavailable | 99.9 | L | ng/dL |
|-------------------------------|------|---|-------|

EXPECTED VALUES:  
110.0-575.0

Test Performed at:  
Quest Diagnostics Nichols Institute  
33608 Ortega Highway  
San Juan Capistrano, CA 92675-2042 I Maramica MD, PhD, MBA

|         |    |        |
|---------|----|--------|
| 4. SHBG | 38 | nmol/L |
|---------|----|--------|

EXPECTED VALUES:  
10-50

Test Performed at:  
Quest Diagnostics Nichols Institute  
33608 Ortega Highway  
San Juan Capistrano, CA 92675-2042 I Maramica MD, PhD, MBA

|            |     |      |
|------------|-----|------|
| 5. Albumin | 4.5 | g/dL |
|------------|-----|------|

EXPECTED VALUES:  
3.6-5.1

Test Performed at:  
Quest Diagnostics Nichols Institute  
33608 Ortega Highway  
San Juan Capistrano, CA 92675-2042 I Maramica MD, PhD, MBA

Yeast (f45) IgE

Performed at: DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.

Result Released: 2026-Jan-30 03:24 PM HST

Status: Final

| TEST               | RESULT | FLAG | UNITS | REFERENCE RANGE |
|--------------------|--------|------|-------|-----------------|
| 1. Yeast (f45) IgE | <0.10  |      | KU/L  |                 |

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2. Class

Class 0

*Reporting Range and Interpretation:*

| <i>kU/L</i>        | <i>Class</i>   | <i>Clinical Implications</i>                                                                                                |
|--------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------|
| <i>-----</i>       | <i>-----</i>   | <i>-----</i>                                                                                                                |
| <i>&lt;0.10</i>    | <i>Class 0</i> | <i>Undetectable</i>                                                                                                         |
| <i>0.10-0.34</i>   | <i>Class 0</i> | <i>Low level. May represent a risk factor for future sensitization or ongoing sensitization</i>                             |
| <i>0.35-0.69</i>   | <i>Class 1</i> | <i>Low level. May represent a risk factor for future sensitization or ongoing sensitization</i>                             |
| <i>0.70-3.49</i>   | <i>Class 2</i> | <i>Moderate level. Likely represents a contributing factor to total allergic load and/or stronger ongoing sensitization</i> |
| <i>3.50-17.49</i>  | <i>Class 3</i> | <i>High level. Indicative of clinically relevant high level sensitization</i>                                               |
| <i>17.50-49.99</i> | <i>Class 4</i> | <i>Very high level. Indicative of clinically relevant high level sensitization</i>                                          |
| <i>50.00-99.99</i> | <i>Class 5</i> | <i>Very high level. Indicative of clinically relevant high level sensitization</i>                                          |
| <i>&gt;=100.00</i> | <i>Class 6</i> | <i>Very high level. Indicative of clinically relevant high level sensitization</i>                                          |

Allergens marked with \*\* are not FDA approved. For investigational use only. Confirmation with clinical information recommended.

**Cheddar cheese (f81) IgE****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-30 03:24 PM HST**Status:** Final

| <b>TEST</b>                 | <b>RESULT</b> | <b>FLAG</b> | <b>UNITS</b> | <b>REFERENCE RANGE</b> |
|-----------------------------|---------------|-------------|--------------|------------------------|
| 1. Cheddar cheese (f81) IgE | <0.10         |             | kU/L         |                        |
| 2. Class                    | Class 0       |             |              |                        |

**Chocolate/cacao (f93) IgE****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-30 03:24 PM HST**Status:** Final

| <b>TEST</b>                  | <b>RESULT</b> | <b>FLAG</b> | <b>UNITS</b> | <b>REFERENCE RANGE</b> |
|------------------------------|---------------|-------------|--------------|------------------------|
| 1. Chocolate/cacao (f93) IgE | <0.10         |             | kU/L         |                        |
| 2. Class                     | Class 0       |             |              |                        |

**Milk (f2) IgE****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-30 03:24 PM HST**Status:** Final

| <b>TEST</b>      | <b>RESULT</b> | <b>FLAG</b> | <b>UNITS</b> | <b>REFERENCE RANGE</b> |
|------------------|---------------|-------------|--------------|------------------------|
| 1. Milk (f2) IgE | <0.10         |             | kU/L         |                        |
| 2. Class         | Class 0       |             |              |                        |

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**Egg white (f1) IgE****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-30 03:24 PM HST**Status:** Final

| TEST                  | RESULT  | FLAG | UNITS | REFERENCE RANGE |
|-----------------------|---------|------|-------|-----------------|
| 1. Egg white (f1) IgE | <0.10   |      | kU/L  |                 |
| 2. Class              | Class 0 |      |       |                 |

**Egg Yolk (f75) IgE****Performed at:** DLS Central Lab, 99-859 Iwaiwa St, Aiea, HI, 96701.**Result Released:** 2026-Jan-30 03:24 PM HST**Status:** Final

| TEST                  | RESULT  | FLAG | UNITS | REFERENCE RANGE |
|-----------------------|---------|------|-------|-----------------|
| 1. Egg Yolk (f75) IgE | <0.10   |      | kU/L  |                 |
| 2. Class              | Class 0 |      |       |                 |

**This copy of results is furnished direct to the patient per their request for access of PHI.**