|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| O.ID No. | **01/25** | P.ID : |  | Date of Collection : | **23-01-2025** | Sex: F | | |
| Patient’s Name : | |  | | | | Age: |  | Yrs |
| Ref. By : | | **Dr. Hosne Ara MBBS BCS (Health) CMU FCPS (G&O).** | | | | | | |
| Specimen & Test : | | Blood, | | | Date of Delivery : | **26-12-2024** | | |

|  |
| --- |
| **IMMUNOLOGY REPORT** |

*(****Estimations are carried Out By Finecare FIA Meter II Plus SE (DS-114)***

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Parameter** | **Result** | **Unit** | **Normal / Reference Value** |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑** Thyroid Stimulating  Hormone (**TSH**) |  | **µlU/mL** | **Normal** : 0.38 – 4.31  Hypothyroid : > 4.5  Hyperthyroid : < 0.4 |
| **❑** Total tri-iodothyronine (**T3**) |  | **ng/mL** | 0.79 – 1.58 |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑** Total thyroxine (**T4**) |  | **µg/dL** | Adult : 4.9 – 11.0 |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑ F**ree **T3** (FT3) |  | **pg/mL** | Adult: 2.1 – 3.8 |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑ F**ree **T4** (FT4) |  | **ng/dL** | Adult: 0.80 –1.63 |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑ T**otal **I**mmunoglobulin E **(IgE)** |  | **IU/mL** | <01 Yrs : < 15 IU/ml  01-05 Yrs : < 60 IU/ml  06-09 Yrs : < 90 IU/ml  10-15 Yrs : < 199 IU/ml  > 16 Yrs : < 100 IU/ml |

|  |  |  |  |
| --- | --- | --- | --- |
| ❑ S. **T**estosterone (Total) |  | **ng/dL** | Male: 262-870 ng/dL Female: 9 - 56 ng/dL |

|  |  |  |  |
| --- | --- | --- | --- |
| ❑ S. **P**rolactin Level |  | **ng/ml** | Males: 3.6 – 16.3 ng/mL Females : 4.1-28.9 ng/mL |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑ 25-**OH-VD **(V**itamin**-D)** |  | **ng/mL** | 8.9-44.7 ng/mL |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑ CA-**125 |  | **U/mL** | < 35U/mL |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑** Carcino Embryonic Antigen(**CEA**) |  | **ng/mL** | < 5.8 ng/mL orµg/L |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑ CA -19.9** |  | **U/mL** | < 37 U/mL |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑ P**rostate Specific Antigen **(PSA)** |  | **ng /MI** | 0-4 ng /MI |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑ A**lfa Feto Protein **(AFP)** |  | **ng/mL** | < 9.5 ng/mLµg/L |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑ B**eta-HCG Level **(B-HCG)** |  | **mIU/mL** | Male: < 0.5  Non Pregnant: < 0.5  Pregnancy :  4-7 Wks.: 1,87,000  8-11 Wks : 17,800 – 3,28,000  12 20 Wks. : 5,380 – 1,83,000  21 – 40 Wks. : 3,460 – 71,500 |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑ F**ollicle **S**timulating **H**ormone  **(FSH)** |  | mIU/ml | **Normally Menstruating:-**  Follicular Phase: 4.5-11.0  Midcycle Peak: 3.6 -20.6  Luteal Phase: 1.5-10.8  Postmenopausal: 36.6-168.8  Males : 2.1-18.6 |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑ L**eutinising **H**ormone **(LH)** |  | mIU/ml | Follicular Phase: 1.7-13.3  Midcycle Peak: 4.1-68.7  Luteal Phase: 0.5-19.8  Postmenopausal: 15.9-54.0  Male: 1.5 - 9.3 |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑ E**stradiol / **O**estrogen **(E2)** |  | pg/mL | **Female:**  Follicular Phase : 40.7-220.4  1 Day before LH Surge : 209-424.6  2 Days before : 74.7 – 117.1  Luteal Phase : 50.7 – 242.1  Postmenopausal : < 77  Male : < 75.0 |

|  |  |  |  |
| --- | --- | --- | --- |
| **❑** Alfa Feto Protein **(AFP)** |  | Ng/mL | < 9.5 ng/mL or µg/L |

|  |  |  |  |
| --- | --- | --- | --- |
| ❑ **PROG** (**Progesterone**) |  | **ng/ml** | **Normally Menstruating:-**  Males: <1.36 ng /mL  Follicular Phase: <2.05 ng/mL  Luteal Phase: <14.86ng/mL  Postmenopausal: <0.73 ng/mL  Pregnant Female:  First trimester-2.82-82.55 ng/mL  Second Trimister27.07-148.93 ng/mL  Third Trimister 82.73-606.49 ng/mL |

|  |  |  |  |
| --- | --- | --- | --- |
| ❑ S. **FER (Ferritin)** |  | **ng/ml** | Males : 25-280 ng/mL Females : < 73.3 ng/mL |