

REPORT

| | | | |
|--------------------|--------------------------------------|---------------|------------------------|
| Name | : Mr. RAGHUPATHI | Sample ID | : 24753402 |
| Age/Gender | : 39 Years/Male | Reg. No | : 0312311030007 |
| Referred by | : Dr. M LAKSHMI | SPP Code | : SPL-CV-172 |
| Referring Customer | : V CARE MEDICAL DIAGNOSTICS | Collected On | : 03-Nov-2023 08:13 AM |
| Primary Sample | : | Received On | : 03-Nov-2023 12:43 PM |
| Sample Tested In | : Urine | Reported On | : 03-Nov-2023 03:35 PM |
| Client Address | : Kimtee colony ,Gokul Nagar,Tarnaka | Report Status | : Final Report |

CLINICAL BIOCHEMISTRY

GLUCOSE TOLERANCE TEST (GTT): 3 SAMPLES

| Test Name | Results | Units | Ref. Range | Method |
|-----------|---------|-------|------------|--------|
|-----------|---------|-------|------------|--------|

| | | | | |
|------------------------------|----------|--|----------|----------------------|
| Fasting Urine Glucose | Negative | | Negative | Automated Strip Test |
|------------------------------|----------|--|----------|----------------------|



Dr. Vaishnavi
DR. VAISHNAVI
MD BIOCHEMISTRY

REPORT

| | | | |
|--------------------|--------------------------------------|---------------|------------------------|
| Name | : Mr. RAGHUPATHI | Sample ID | : 24753410 |
| Age/Gender | : 39 Years/Male | Reg. No | : 0312311030007 |
| Referred by | : Dr. M LAKSHMI | SPP Code | : SPL-CV-172 |
| Referring Customer | : V CARE MEDICAL DIAGNOSTICS | Collected On | : 03-Nov-2023 08:13 AM |
| Primary Sample | : Whole Blood | Received On | : 03-Nov-2023 12:34 PM |
| Sample Tested In | : Whole Blood EDTA | Reported On | : 03-Nov-2023 01:45 PM |
| Client Address | : Kimtee colony ,Gokul Nagar,Tarnaka | Report Status | : Final Report |

HAEMATOLOGY

| Test Name | Results | Units | Ref. Range | Method |
|-------------------------------|----------|-------|------------|--------------------|
| Blood Grouping (A B O) | A | | | Tube Agglutination |
| Rh Typing | Positive | | | Tube Agglutination |

Comments:

Blood group ABO & Rh test identifies your blood group & type of Rh factor. There are four major blood groups- A, B, AB, and O. It is important to know your blood group as you may need a transfusion of blood or blood components; you may want to donate your blood ; before or during a woman's pregnancy to determine the risk of Rh mismatch with the fetus.

Note: Both Forward and Reverse Grouping Performed .

*** End Of Report ***

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Swarnabala . M
DR.SWARNA BALA
MD PATHOLOGY

REPORT

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| Primary Sample | : Whole Blood | Received On | : 03-Nov-2023 12:34 PM |
| Sample Tested In | : Whole Blood EDTA | Reported On | : 03-Nov-2023 01:47 PM |
| Client Address | : Kimtee colony ,Gokul Nagar, Tarnaka | Report Status | : Final Report |

HAEMATOLOGY

| Test Name | Results | Units | Ref. Range | Method |
|--|--|---------------------|------------|----------------|
| Complete Blood Picture(CBP) | | | | |
| Haemoglobin (Hb) | 15.6 | g/dL | 13-17 | Cynmeth Method |
| Haematocrit (HCT) | 47.1 | % | 40-50 | Calculated |
| RBC Count | 5.27 | 10 ¹² /L | 4.5-5.5 | Cell Impedance |
| MCV | 89 | fl | 81-101 | Calculated |
| MCH | 29.5 | pg | 27-32 | Calculated |
| MCHC | 33.1 | g/dL | 32.5-34.5 | Calculated |
| RDW-CV | 13.4 | % | 11.6-14.0 | Calculated |
| Platelet Count (PLT) | 225 | 10 ⁹ /L | 150-410 | Cell Impedance |
| Total WBC Count | 7.9 | 10 ⁹ /L | 4.0-10.0 | Impedance |
| Differential Leucocyte Count (DC) | | | | |
| Neutrophils | 58 | % | 40-70 | Cell Impedance |
| Lymphocytes | 36 | % | 20-40 | Cell Impedance |
| Monocytes | 04 | % | 2-10 | Microscopy |
| Eosinophils | 02 | % | 1-6 | Microscopy |
| Basophils | 00 | % | 1-2 | Microscopy |
| Absolute Neutrophils Count | 4.58 | 10 ⁹ /L | 2.0-7.0 | Impedance |
| Absolute Lymphocyte Count | 2.84 | 10 ⁹ /L | 1.0-3.0 | Impedance |
| Absolute Monocyte Count | 0.32 | 10 ⁹ /L | 0.2-1.0 | Calculated |
| Absolute Eosinophils Count | 0.16 | 10 ⁹ /L | 0.02-0.5 | Calculated |
| Absolute Basophil ICount | 0.00 | 10 ⁹ /L | 0.0-0.3 | Calculated |
| Morphology | Normocytic normochromic blood picture. | | | PAPs Staining |

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| Primary Sample | : Whole Blood | Received On | : 03-Nov-2023 12:34 PM |
| Sample Tested In | : Whole Blood EDTA | Reported On | : 03-Nov-2023 01:47 PM |
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HAEMATOLOGY

| Test Name | Results | Units | Ref. Range | Method |
|---|---------|-------|------------|-------------------|
| Erythrocyte Sedimentation Rate (ESR) | 7 | | 10 or less | Westergren method |



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| Referred by | : Dr. M LAKSHMI | SPP Code | : SPL-CV-172 |
| Referring Customer | : V CARE MEDICAL DIAGNOSTICS | Collected On | : 03-Nov-2023 08:13 AM |
| Primary Sample | : Whole Blood | Received On | : 03-Nov-2023 12:34 PM |
| Sample Tested In | : Whole Blood EDTA | Reported On | : 03-Nov-2023 02:41 PM |
| Client Address | : Kimtee colony ,Gokul Nagar,Tarnaka | Report Status | : Final Report |

CLINICAL BIOCHEMISTRY

| Test Name | Results | Units | Ref. Range | Method |
|------------------------------------|---------|-------|--|------------|
| Glycated Hemoglobin (HbA1c) | 5.9 | % | Non Diabetic:< 5.7 Pre diabetic: 5.7-6.4 Diabetic:>= 6.5 | HPLC |
| Mean Plasma Glucose | 122.63 | mg/dL | | Calculated |

Interpretation:

- Glycated hemoglobins (GHb), also called glycohemoglobins, are substances formed when glucose binds to hemoglobin, and occur in amounts proportional to the concentration of serum glucose. Since red blood cells survive an average of 120 days, the measurement of GHb provides an index of a person's average blood glucose concentration (glycemia) during the preceding 2-3 months. Normally, only 4% to 6% of hemoglobin is bound to glucose, while elevated glycohemoglobin levels are seen in diabetes and other hyperglycemic states
- Mean Plasma Glucose(MPG):This Is Mathematical Calculations Where Glycated Hb Can Be Correlated With Daily Mean Plasma Glucose Level

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MD BIOCHEMISTRY

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|--------------------|--------------------------------------|---------------|------------------------------|
| Name | : Mr. RAGHUPATHI | Sample ID | : 24753414, 24753412, 247534 |
| Age/Gender | : 39 Years/Male | Reg. No | : 0312311030007 |
| Referred by | : Dr. M LAKSHMI | SPP Code | : SPL-CV-172 |
| Referring Customer | : V CARE MEDICAL DIAGNOSTICS | Collected On | : 03-Nov-2023 08:13 AM |
| Primary Sample | : Whole Blood | Received On | : 03-Nov-2023 12:34 PM |
| Sample Tested In | : Serum, Plasma-NaF(F), Plasma-N | Reported On | : 03-Nov-2023 03:31 PM |
| Client Address | : Kimtee colony ,Gokul Nagar,Tarnaka | Report Status | : Final Report |

CLINICAL BIOCHEMISTRY

GLUCOSE TOLERANCE TEST (GTT): 3 SAMPLES

| Test Name | Results | Units | Ref. Range | Method |
|-----------|---------|-------|------------|--------|
|-----------|---------|-------|------------|--------|

TSH -Thyroid Stimulating Hormone **9.37** $\mu\text{IU/mL}$ 0.35-5.5 CLIA

Pregnancy & Cord Blood

TSH (Thyroid Stimulating Hormone ($\mu\text{IU/mL}$))

| | |
|------------------|-------------|
| First Trimester | : 0.24-2.99 |
| Second Trimester | : 0.46-2.95 |
| Third Trimester | : 0.43-2.78 |
| Cord Blood | : 2.3-13.2 |

- TSH is synthesized and secreted by the anterior pituitary in response to a negative feedback mechanism involving concentrations of FT3 (free T3) and FT4 (free T4). Additionally, the hypothalamic tripeptide, thyrotropin-releasing hormone (TRH), directly stimulates TSH production.
- TSH interacts with specific cell receptors on the thyroid cell surface and exerts two main actions. The first action is to stimulate cell reproduction and hypertrophy. Secondly, TSH stimulates the thyroid gland to synthesize and secrete T3 and T4
- The ability to quantitate circulating levels of TSH is important in evaluating thyroid function. It is especially useful in the differential diagnosis of primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low
- TRH stimulation differentiates secondary and tertiary hypothyroidism by observing the change in patient TSH levels. Typically, the TSH response to TRH stimulation is absent in cases of secondary hypothyroidism, and normal to exaggerated in tertiary hypothyroidism
- Historically, TRH stimulation has been used to confirm primary hyperthyroidism, indicated by elevated T3 and T4 levels and low or undetectable TSH levels. TSH assays with increased sensitivity and specificity provide a primary diagnostic tool to differentiate hyperthyroid from euthyroid patients.

| | | | | |
|--------------------------------|-----|-------|----------------------|-----------------|
| Glucose Fasting(GTT) | 99 | mg/dL | Refer Interpretation | Hexokinase (HK) |
| Glucose 1st hour sample | 125 | mg/dL | Refer Interpretation | Hexokinase (HK) |
| Glucose 2nd hour sample | 102 | mg/dL | Refer Interpretation | Hexokinase (HK) |

GTT Reference range (75 g Glucose Load)

| Pregnancy | Non Pregnant and Males |
|-------------------------------|-------------------------------|
| Fasting: < 92 mg/dL | Fasting: 60-100 mg/dL |
| 1st hour sample : < 180 mg/dL | 1st hour sample : < 200 mg/dL |
| 2nd hour sample: < 153 mg/dL | 2nd hour sample: < 140 mg/dL |

Interpretation of Plasma Glucose based on ADA guidelines 2018



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| Primary Sample | : | Received On | : 03-Nov-2023 12:43 PM |
| Sample Tested In | : Urine | Reported On | : 03-Nov-2023 02:46 PM |
| Client Address | : Kimtee colony ,Gokul Nagar,Tarnaka | Report Status | : Final Report |

CLINICAL PATHOLOGY

| Test Name | Results | Units | Ref. Range | Method |
|---|-------------|-------|----------------------|--|
| Complete Urine Analysis (CUE) | | | | |
| Physical Examination | | | | |
| Colour | Pale Yellow | | Straw to light amber | |
| Appearance | Clear | | Clear | |
| Chemical Examination | | | | |
| Glucose | Negative | | Negative | Strip Reflectance |
| Protein | Absent | | Negative | Strip Reflectance |
| Bilirubin (Bile) | Negative | | Negative | Strip Reflectance |
| Urobilinogen | Negative | | Negative | Ehrlichs reagent |
| Ketone Bodies | Negative | | Negative | Strip Reflectance |
| Specific Gravity | 1.005 | | 1.000 - 1.030 | Strip Reflectance |
| Blood | Negative | | Negative | Strip Reflectance |
| Reaction (pH) | 5.0 | | 5.0 - 8.5 | Reagent strip Reflectance - Double indicator Principle |
| Nitrites | Negative | | Negative | Strip Reflectance |
| Leukocyte esterase | Negative | | Negative | Reagent Strip Reflectance |
| Microscopic Examination (Microscopy) | | | | |
| PUS(WBC) Cells | 02-04 | /hpf | 00-05 | Microscopy |
| R.B.C. | Nil | /hpf | Nil | Microscopic |
| Epithelial Cells | 01-02 | /hpf | 00-05 | Microscopic |
| Casts | Absent | | Absent | Microscopic |
| Crystals | Absent | | Absent | Microscopic |
| Bacteria | Nil | | Nil | |
| Budding Yeast Cells | Nil | | Absent | Microscopy |
| Others | - | | | Microscopic |

Comments :

Urine analysis is one of the most useful laboratory tests as it identifies a wide range of medical conditions including renal damage, urinary tract infections, diabetes, hypertension and drug toxicity.

Correlate Clinically.

Result rechecked and verified for abnormal cases

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*** End Of Report ***



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