

REPORT

Name	: Mrs. JYOTHI	Sample ID	: 24753396
Age/Gender	: 32 Years/Female	Reg. No	: 0312311030008
Referred by	: Dr. M LAKSHMI	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 03-Nov-2023 08:07 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
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Fasting Urine Glucose	Negative		Negative	Automated Strip Test
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*** End Of Report ***



Dr. Vaishnavi
DR. VAISHNAVI
MD BIOCHEMISTRY

REPORT

Name	: Mrs. JYOTHI	Sample ID	: 24753421
Age/Gender	: 32 Years/Female	Reg. No	: 0312311030008
Referred by	: Dr. M LAKSHMI	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 03-Nov-2023 08:07 AM
Primary Sample	: Whole Blood	Received On	: 03-Nov-2023 12:34 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 03-Nov-2023 01:36 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)	14.0	g/dL	12-15	Cynmeth Method
Haematocrit (HCT)	42.8	%	40-50	Calculated
RBC Count	4.81	10 ¹² /L	4.5-5.5	Cell Impedance
MCV	89	fl	81-101	Calculated
MCH	29.1	pg	27-32	Calculated
MCHC	32.7	g/dL	32.5-34.5	Calculated
RDW-CV	13.2	%	11.6-14.0	Calculated
Platelet Count (PLT)	375	10 ⁹ /L	150-410	Cell Impedance
Total WBC Count	8.7	10 ⁹ /L	4.0-10.0	Impedance
Differential Leucocyte Count (DC)				
Neutrophils	61	%	40-70	Cell Impedance
Lymphocytes	33	%	20-40	Cell Impedance
Monocytes	04	%	2-10	Microscopy
Eosinophils	02	%	1-6	Microscopy
Basophils	00	%	1-2	Microscopy
Absolute Neutrophils Count	5.31	10 ⁹ /L	2.0-7.0	Impedance
Absolute Lymphocyte Count	2.87	10 ⁹ /L	1.0-3.0	Impedance
Absolute Monocyte Count	0.35	10 ⁹ /L	0.2-1.0	Calculated
Absolute Eosinophils Count	0.17	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

*** End Of Report ***

Laboratory is NABL Accredited



*TESTS CONDUCTED @ CENTRAL LAB, HYDERABAD

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Swarnabala .M
DR.SWARNABALA
MD PATHOLOGY

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HAEMATOLOGY

Test Name	Results	Units	Ref. Range	Method
Erythrocyte Sedimentation Rate (ESR)	9		10 or less	Westergren method



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Swarnabala . M
DR.SWARNA BALA
MD PATHOLOGY

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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 08:07 AM
Primary Sample	: Whole Blood	Received On	: 03-Nov-2023 12:34 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 03-Nov-2023 02:44 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Glycated Hemoglobin (HbA1c)	5.6	%	Non Diabetic:< 5.7 Pre diabetic: 5.7-6.4 Diabetic:>= 6.5	HPLC
Mean Plasma Glucose	114.02	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

*** End Of Report ***

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Dr. Vaishnavi
DR. VAISHNAVI
MD BIOCHEMISTRY

REPORT

Name	: Mrs. JYOTHI	Sample ID	: 24753423, 24753424, 247534
Age/Gender	: 32 Years/Female	Reg. No	: 0312311030008
Referred by	: Dr. M LAKSHMI	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 03-Nov-2023 08:07 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
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TSH -Thyroid Stimulating Hormone 1.68 µIU/mL 0.35-5.5 CLIA

Pregnancy & Cord Blood

TSH (Thyroid Stimulating Hormone (µIU/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)	106	mg/dL	Refer Interpretation	Hexokinase (HK)
Glucose 1st hour sample	228	mg/dL	Reference Interpretation	Hexokinase (HK)
Glucose 2nd hour sample	150	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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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	1.025		1.000 - 1.030	Strip Reflectance
Blood	Negative		Negative	Strip Reflectance
Reaction (pH)	5.5		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.

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*** End Of Report ***



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