

REPORT

Name	: Mrs. ANITHA	Sample ID	: A0094068
Age/Gender	: 21 Years/Female	Reg. No	: 0312403210001
Referred by	: Dr. HARITHA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 21-Mar-2024 07:56 AM
Primary Sample	: Whole Blood	Received On	: 21-Mar-2024 12:44 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 21-Mar-2024 01:52 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)	13.1	g/dL	12-15	Cynmeth Method
Haematocrit (HCT)	40.1	%	40-50	Calculated
RBC Count	4.36	10 ¹² /L	4.5-5.5	Cell Impedence
MCV	92	fl	81-101	Calculated
MCH	30.1	pg	27-32	Calculated
MCHC	32.7	g/dL	32.5-34.5	Calculated
RDW-CV	13.6	%	11.6-14.0	Calculated
Platelet Count (PLT)	200	10 ⁹ /L	150-410	Cell Impedence
Total WBC Count	11.0	10 ⁹ /L	4.0-10.0	Impedence
Differential Leucocyte Count (DC)				
Neutrophils	74	%	40-70	Cell Impedence
Lymphocytes	21	%	20-40	Cell Impedence
Monocytes	03	%	2-10	Microscopy
Eosinophils	02	%	1-6	Microscopy
Basophils	00	%	1-2	Microscopy
Absolute Neutrophils Count	8.14	10 ⁹ /L	2.0-7.0	Impedence
Absolute Lymphocyte Count	2.31	10 ⁹ /L	1.0-3.0	Impedence
Absolute Monocyte Count	0.33	10 ⁹ /L	0.2-1.0	Calculated
Absolute Eosinophils Count	0.22	10 ⁹ /L	0.02-0.5	Calculated
Absolute Basophil ICount	0.00	10 ⁹ /L	0.0-0.3	Calculated
Morphology	Normocytic normochromic with Neutrophilic Leucocytosis			PAPs Staining
Erythrocyte Sedimentation Rate (ESR)	9		10 or less	Westergren method



Swarnabala - M
DR.SWARNA BALA
MD PATHOLOGY

REPORT

Name	: Mrs. ANITHA	Sample ID	: A0094067
Age/Gender	: 21 Years/Female	Reg. No	: 0312403210001
Referred by	: Dr. HARITHA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 21-Mar-2024 07:56 AM
Primary Sample	: Whole Blood	Received On	: 21-Mar-2024 12:44 PM
Sample Tested In	: Serum	Reported On	: 21-Mar-2024 02:07 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
TSH -Thyroid Stimulating Hormone	1.57	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.



Dr. Vaishnavi
DR. VAISHNAVI
MD BIOCHEMISTRY

REPORT

Name	: Mrs. ANITHA	Sample ID	: a0093876
Age/Gender	: 21 Years/Female	Reg. No	: 0312403210001
Referred by	: Dr. HARITHA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 21-Mar-2024 07:56 AM
Primary Sample	:	Received On	: 21-Mar-2024 12:55 PM
Sample Tested In	: Urine	Reported On	: 21-Mar-2024 03:05 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	1.020		1.000 - 1.030	Strip Reflectance
Blood	Negative		Negative	Strip Reflectance
Reaction (pH)	6.0		5.0 - 8.5	Reagent Strip Reflectance
Nitrites	Negative		Negative	Strip Reflectance
Leukocyte esterase	Negative		Negative	Reagent Strip Reflectance
Microscopic Examination (Microscopy)				
PUS(WBC) Cells	01-02	/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

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
Laboratory is NABL Accredited

*** End Of Report ***



Swannabala - M
DR.SWARNA BALA
MD PATHOLOGY