

LABORATORY REPORT

Patient Name: .VAITHEESWARI SHANMUGAVEL
Gender: Female
Age: 26 Y 4 M 22 D
MPID: 1000000102914575
Referred by: Dr. Triveni Arun Akkiraju

Collected : 16 Sep 26 11:27
Received: 16 Sep 26 11:28
Reported: 16 Sep 26 12:25
Report Status: Final Report
Visit ID/Ref No: OPD/HRB/2732324

Department- HEMATOLOGY

Complete Blood Count (CBC)

Test Name	Result	Your Value	Reference Range
Hemoglobin (Hb), g/dL [Method: Spectrophotometry]	13.9	Normal	12-15
Red Blood Cell (RBC) Count, Million/cu.mm [Method: Impedence]	4.86	High	3.8-4.8
Packed Cell Volume (PCV) / Hematocrit, % [Method: Calculated]	41.9	Normal	36-46
Mean Corpuscular Volume (MCV), fL [Method: Calculated]	86.1	Normal	83-101
Mean Corpuscular Hemoglobin (MCH), pg [Method: Calculated]	28.6	Normal	27-32
Mean Corpuscular Hb Concentration (MCHC), g/dL [Method: Calculated]	33.2	Normal	31.5-34.5
Red Cell Distribution Width (RDW), % [Method: Calculated]	13.0	Normal	11.6-14
Total Leucocyte Count (TLC), cells/μL [Method: Impedence]	12220	High	4000 - 11000

Differential Leucocyte Count (DLC)

Neutrophils, %	52.1	Normal	40 - 75
Lymphocytes, %	40.1	High	20 - 40
Monocytes, %	4.4	Normal	0 - 6
Eosinophils, %	3.3	Normal	00 - 06
Basophils, % [Method: Impedence & FCM]	0.1	Normal	1-2

Absolute Leucocyte Count

Barcode No : HRB0078173
Sample Type : WHOLE BLOOD EDTA



Page 1 of 5

LABORATORY REPORT

Patient Name: .VAITHEESWARI SHANMUGAVEL
Gender: Female
Age: 26 Y 4 M 22 D
MPID: 1000000102914575
Referred by: Dr. Triveni Arun Akkiraju

Collected : 16 Sep 26 11:27
Received: 16 Sep 26 11:28
Reported: 16 Sep 26 12:25
Report Status: Final Report
Visit ID/Ref No: OPD/HRB/2732324

Department- HEMATOLOGY

Neutrophils, Cells/cu.mm [Method: Calculated]	6366.62	Normal	2000-7000
Lymphocytes, Cells/cu.mm [Method: Calculated]	4900.22	High	1000-3000
Monocytes, Cells/cu.mm [Method: Calculated]	537.68	Normal	200-1000
Eosinophils, Cells/cu.mm	403.26	Normal	10-600
Basophils, Cells/cu.mm [Method: Calculated]	12.22	Normal	0-100
Platelet Count, $10^3/\mu\text{l}$ [Method: Impedence]	374	Normal	150-410
Mean Platelet Volume (MPV), fL	8.4	Normal	7.6-9.6

Interpretation:

CBC provides information about red cells, white cells and platelets. Results are useful in the diagnosis of anemia, infections, leukemia's, clotting disorders and many other medical conditions.



*** End Of Report ***

Dr. Syeda Sumaiya
Pathologist

Barcode No : HRB0078173
Sample Type : WHOLE BLOOD EDTA



Page 2 of 5

LABORATORY REPORT

Patient Name: .VAITHEESWARI SHANMUGAVEL
Gender: Female
Age: 26 Y 4 M 22 D
MPID: 1000000102914575
Referred by: Dr. Triveni Arun Akkiraju

Collected : 16 Sep 26 11:27
Received: 16 Sep 26 11:28
Reported: 16 Sep 26 14:39
Report Status: Final Report
Visit ID/Ref No: OPD/HRB/2732324

Department- IMMUNOASSAYS

Prolactin, Serum

Test Name	Result	Reference Range
Prolactin, ng/mL	19.40	2.53 - 15.98 (Males) 3.1 - 23.3 (Female(Normal)) 2.91 - 19.27 (Post menopause)

Interpretation:

Prolactin is a polypeptide hormone produced by the anterior pituitary gland and secreted in episodes. High concentration of prolactin has an inhibitory action on steroidogenesis of the ovaries and hypophyseal gonadotropin production and secretion. During pregnancy, secretion of prolactin rises under the influence of estrogen and progesterone. Stimulatory effect of prolactin on mammary glands leads to lactation in the postpartum period.

Hyperprolactinemia in males and females is a cause of fertility disorders. Measurements of serum prolactin levels aid in the diagnosis of hyperprolactinemia, pituitary tumors, amenorrhea, galactorrhea, infertility and hypogonadism. Prolactin secretion varies with time and by certain physiological stimuli. Prolactin levels during the night are two to three times higher than the day.

For diagnostic purposes, the results should always be assessed in conjunction with the patient's medical history, clinical examination and other findings.

*** End Of Report ***

Barcode No : HRB0078172
Sample Type : SERUM



Page 3 of 5

LABORATORY REPORT

Patient Name: .VAITHEESWARI SHANMUGAVEL
Gender: Female
Age: 26 Y 4 M 22 D
MPID: 1000000102914575
Referred by: Dr. Triveni Arun Akkiraju

Collected : 16 Sep 26 11:27
Received: 16 Sep 26 11:28
Reported: 16 Sep 26 14:52
Report Status: Final Report
Visit ID/Ref No: OPD/HRB/2732324

Department- IMMUNOASSAYS

Beta hCG, Serum

Test Name	Result	Your Value	Reference Range
Beta hCG, Serum, mIU/mL [Method: ECL/Sandwich]	<1	Normal	Non Pregnant: <= 5.0 Peri & Post menopausal: <= 13 Pregnant : Refer Interpretation

Interpretation:

PREGNANT FEMALE - WEEK OF AMENORRHOEA	LIMITS (mIU/mL)
4-5	1500 - 23000
5-6	3400 - 135300
6-7	10500 - 161000
7-8	18000 - 209000
8-9	37500 - 219000
9-10	42800 - 218000
10-11	33700 - 218700
11-12	21800 - 193200
12-13	20300 - 166100
13-14	5400 - 190000

2nd trimester	2800 - 176100
3rd trimester	2800 - 144400

hCG is produced in the placenta during pregnancy. In non-pregnant women, it can also be produced by tumors of the trophoblast, germ cell tumors with trophoblastic components and some non-trophoblastic tumors.

The biological action of hCG serves to maintain the corpus luteum during pregnancy. Elevated values here serve as an indication of chorionic carcinoma, hydatidiform mole or multiple pregnancy. Depressed values indicate threatening or missed abortion, ectopic pregnancy, gestosis or intra-uterine death.

For diagnostic purposes, the results should always be assessed in conjunction with the patient's medical history, clinical examination and other findings.

Barcode No : HRB0078172
Sample Type : SERUM



Page 4 of 5

LABORATORY REPORT

Patient Name: .VAITHEESWARI SHANMUGAVEL
Gender: Female
Age: 26 Y 4 M 22 D
MPID: 1000000102914575
Referred by: Dr. Triveni Arun Akkiraju

Collected : 16 Sep 26 11:27
Received: 16 Sep 26 11:28
Reported: 16 Sep 26 14:52
Report Status: Final Report
Visit ID/Ref No: OPD/HRB/2732324

Department- IMMUNOASSAYS



Dr. Syeda Sumaiya
Pathologist

*** End Of Report ***

Barcode No : HRB0078172
Sample Type : SERUM



Page 5 of 5