

LABORATORY TEST REPORT

Name	: Mr. JAYA KUMAR		
Sample ID	: A0787462		
Age/Gender	: 77 Years/Male	Reg. No	: 0312410040042
Referred by	: Dr. D ANIL KUMAR	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 04-Oct-2024 08:14 PM
Primary Sample	: Whole Blood	Received On	: 04-Oct-2024 11:48 PM
Sample Tested In	: Serum	Reported On	: 05-Oct-2024 12:33 AM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report



CLINICAL BIOCHEMISTRY

V CARE FEVER PROFILE -3

Test Name	Results	Units	Biological Reference Interval
-----------	---------	-------	-------------------------------

C-Reactive protein-(CRP)

10.7

mg/L

Upto:6.0

(Method: Immunoturbidimetry)

Interpretation:

C-reactive protein (CRP) is produced by the liver. The level of CRP rises when there is inflammation throughout the body. It is one of a group of proteins called acute phase reactants that go up in response to inflammation. The levels of acute phase reactants increase in response to certain inflammatory proteins called cytokines. These proteins are produced by white blood cells during inflammation.

A positive test means you have inflammation in the body. This may be due to a variety of conditions, including:

- Connective tissue disease
- Heart attack
- Infection
- Inflammatory bowel disease (IBD)
- Lupus
- Pneumonia
- Rheumatoid arthritis

*** End Of Report ***



Page 1 of 8
Dr. Vaishnavi
DR.VAISHNAVI
MD BIOCHEMISTRY




















LABORATORY TEST REPORT

Name	: Mr. JAYA KUMAR		
Sample ID	: A0787461		
Age/Gender	: 77 Years/Male	Reg. No	: 0312410040042
Referred by	: Dr. D ANIL KUMAR	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 04-Oct-2024 08:14 PM
Primary Sample	: Whole Blood	Received On	: 04-Oct-2024 11:48 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 05-Oct-2024 12:12 AM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report


HAEMATOLOGY
V CARE FEVER PROFILE -3

Test Name	Results	Units	Biological Reference Interval
-----------	---------	-------	-------------------------------

COMPLETE BLOOD COUNT (CBC)

 Haemoglobin (Hb) <small>(Method: Cymmeth Method)</small>	13.5	g/dL	13-17
 RBC Count <small>(Method: Cell Impedance)</small>	4.86	10 ¹² /L	4.5-5.5
 Haematocrit (HCT) <small>(Method: Calculated)</small>	42.9	%	40-50
 MCV <small>(Method: Calculated)</small>	88	fl	81-101
 MCH <small>(Method: Calculated)</small>	27.8	pg	27-32
 MCHC <small>(Method: Calculated)</small>	31.5	g/dL	32.5-34.5
 RDW-CV <small>(Method: Calculated)</small>	13.4	%	11.6-14.0
 Platelet Count (PLT) <small>(Method: Cell Impedance)</small>	259	10 ⁹ /L	150-410
 Total WBC Count <small>(Method: Impedance)</small>	6.7	10 ⁹ /L	4.0-10.0
 Neutrophils <small>(Method: Cell Impedance)</small>	64	%	40-70
 Absolute Neutrophils Count <small>(Method: Impedance)</small>	4.29	10 ⁹ /L	2.0-7.0
 Lymphocytes <small>(Method: Cell Impedance)</small>	30	%	20-40
 Absolute Lymphocyte Count <small>(Method: Impedance)</small>	2.01	10 ⁹ /L	1.0-3.0
 Monocytes <small>(Method: Microscopy)</small>	04	%	2-10
 Absolute Monocyte Count <small>(Method: Calculated)</small>	0.27	10 ⁹ /L	0.2-1.0
 Eosinophils <small>(Method: Microscopy)</small>	02	%	1-6
 Absolute Eosinophils Count <small>(Method: Calculated)</small>	0.13	10 ⁹ /L	0.02-0.5
 Basophils <small>(Method: Microscopy)</small>	00	%	1-2
 Absolute Basophil ICount <small>(Method: Calculated)</small>	0.00	10 ⁹ /L	0.0-0.3

Morphology

WBC	Within Normal Limits
RBC	Normocytic normochromic blood picture.
Platelets <small>(Method: Microscopy)</small>	Adequate.

*** End Of Report ***


 Page 2 of 8
 Swarnabala - M
 DR.SWARNA BALA
 MD PATHOLOGY

LABORATORY TEST REPORT

Name	: Mr. JAYA KUMAR		
Sample ID	: A0787461		
Age/Gender	: 77 Years/Male	Reg. No	: 0312410040042
Referred by	: Dr. D ANIL KUMAR	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 04-Oct-2024 08:14 PM
Primary Sample	: Whole Blood	Received On	: 04-Oct-2024 11:48 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 05-Oct-2024 12:23 AM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report



HAEMATOLOGY

V CARE FEVER PROFILE -3

Test Name	Results	Units	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) <small>(Method: Westergren method)</small>	41	mm/hr	30 or less

Comments : ESR is an acute phase reactant which indicates presence and intensity of an inflammatory process. It is never diagnostic of a specific disease. It is used to monitor the course or response to treatment of certain diseases. Extremely high levels are found in cases of malignancy, hematologic diseases, collagen disorders and renal diseases.



Page 3 of 8
Swarnabala - M
DR.SWARNA BALA
MD PATHOLOGY

LABORATORY TEST REPORT

Name	: Mr. JAYA KUMAR		
Sample ID	: A0787471		
Age/Gender	: 77 Years/Male	Reg. No	: 0312410040042
Referred by	: Dr. D ANIL KUMAR	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 04-Oct-2024 08:14 PM
Primary Sample	:	Received On	: 05-Oct-2024 12:11 AM
Sample Tested In	: Urine	Reported On	: 05-Oct-2024 12:15 AM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report


CLINICAL PATHOLOGY

Test Name	Results	Units	Biological Reference Interval
-----------	---------	-------	-------------------------------

Complete Urine Analysis (CUE)
Physical Examination

Colour	Yellowish	Straw to light amber
Appearance	Hazy	Clear

Chemical Examination

Glucose <small>(Method: Strip Reflectance)</small>	Negative	Negative
Protein <small>(Method: Strip Reflectance)</small>	Present (+)	Negative
Bilirubin (Bile) <small>(Method: Strip Reflectance)</small>	Negative	Negative
Urobilinogen <small>(Method: Ehrlichs reagent)</small>	Negative	Negative
Ketone Bodies <small>(Method: Strip Reflectance)</small>	Negative	Negative
Specific Gravity <small>(Method: Strip Reflectance)</small>	1.005	1.000 - 1.030
Blood <small>(Method: Strip Reflectance)</small>	Negative	Negative
Reaction (pH) <small>(Method: Reagent Strip Reflectance)</small>	6.0	5.0 - 8.5
Nitrites <small>(Method: Strip Reflectance)</small>	Negative	Negative
Leukocyte esterase <small>(Method: Reagent Strip Reflectance)</small>	Negative	Negative

Microscopic Examination (Microscopy)

PUS(WBC) Cells <small>(Method: Microscopy)</small>	03-05	/hpf	00-05
R.B.C. <small>(Method: Microscopic)</small>	Nil	/hpf	Nil
Epithelial Cells <small>(Method: Microscopic)</small>	01-02	/hpf	00-05
Casts <small>(Method: Microscopic)</small>	Absent		Absent
Crystals <small>(Method: Microscopic)</small>	Absent		Absent
Bacteria	Nil		Nil
Budding Yeast Cells <small>(Method: Microscopy)</small>	Nil		Absent

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.


 Page 4 of 8
 Swarnabala - M
 DR.SWARNA BALA
 MD PATHOLOGY

LABORATORY TEST REPORT

Name	: Mr. JAYA KUMAR	Reg. No	: 0312410040042
Sample ID	: A0787459, A0787462	SPP Code	: SPL-CV-172
Age/Gender	: 77 Years/Male	Collected On	: 04-Oct-2024 08:14 PM
Referred by	: Dr. D ANIL KUMAR	Received On	: 04-Oct-2024 11:48 PM
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Reported On	: 05-Oct-2024 02:19 AM
Primary Sample	: Whole Blood	Report Status	: Final Report
Sample Tested In	: Plasma-NaF(R), Serum		
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka		



CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Biological Reference Interval
-----------	---------	-------	-------------------------------

Glucose Random (RBS) 98 mg/dL 70-140
(Method: Hexokinase (HK))

Interpretation of Plasma Glucose based on ADA guidelines 2018

Diagnosis	Fasting Plasma Glucose(mg/dL)	2hrs Plasma Glucose(mg/dL)	HbA1c(%)	RBS(mg/dL)
Prediabetes	100-125	140-199	5.7-6.4	NA
Diabetes	> = 126	> = 200	> = 6.5	>=200(with symptoms)

Reference: Diabetes care 2018:41(suppl.1):S13-S27

- The random blood glucose if it is above 200 mg/dL and the patient has increased thirst, polyuria, and polyphagia, suggests diabetes mellitus.
- As a rule, two-hour glucose samples will reach the fasting level or it will be in the normal range.

Rheumatoid Factor, RA 9.63 IU/mL <20.0
(Method: Immunoturbidometry)

Interpretation:

- This test detects evidence of rheumatoid factor (RF), which is a type of autoantibody. An antibody is a protective protein that forms in the blood in response to a foreign material, known as an antigen (for example a bacterial protein). Autoantibodies, however, are antibodies that attack one's own proteins rather than foreign protein. Rheumatoid factors are autoantibodies directed against the class of immunoglobulins known as IgG and are members of a class of proteins that become elevated in states of inflammation. Rheumatoid factor is elevated in many patients with both chronic and acute inflammation; it may be used to monitor the level of inflammation associated with rheumatoid arthritis (RA). Other markers such as CRP are considered more accurate for disease monitoring. Experts still do not understand exactly how RF is formed or why, but it is believed that RF probably does not directly cause joint damage but that it helps to promote the body's inflammation reaction, which contributes to the tissue destruction seen in rheumatoid arthritis.

 TSH -Thyroid Stimulating Hormone 2.87 µIU/mL 0.35-5.5
(Method: 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

*** End Of Report ***

LABORATORY TEST REPORT

Name	: Mr. JAYA KUMAR		
Sample ID	: A0787462		
Age/Gender	: 77 Years/Male	Reg. No	: 0312410040042
Referred by	: Dr. D ANIL KUMAR	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 04-Oct-2024 08:14 PM
Primary Sample	: Whole Blood	Received On	: 04-Oct-2024 11:48 PM
Sample Tested In	: Serum	Reported On	: 05-Oct-2024 02:05 AM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report



IMMUNOLOGY & SEROLOGY

V CARE FEVER PROFILE -3

Test Name	Results	Units	Biological Reference Interval
-----------	---------	-------	-------------------------------

 **Chikungunya IgG**
(Method: Immunochromatography)

Negative

Negative

*** End Of Report ***



DR. RUTURAJ MANIKLAL KOLHAPURE
MD, MICROBIOLOGIST


LABORATORY TEST REPORT

Name	: Mr. JAYA KUMAR		
Sample ID	: A0787462		
Age/Gender	: 77 Years/Male	Reg. No	: 0312410040042
Referred by	: Dr. D ANIL KUMAR	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 04-Oct-2024 08:14 PM
Primary Sample	: Whole Blood	Received On	: 04-Oct-2024 11:48 PM
Sample Tested In	: Serum	Reported On	: 05-Oct-2024 02:05 AM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report



IMMUNOLOGY & SEROLOGY

V CARE FEVER PROFILE -3

Test Name	Results	Units	Biological Reference Interval
 Chikungunya IgM (Method: Immunochromatography)	Positive		Negative

*** End Of Report ***



Page 8 of 8

DR. RUTURAJ MANIKLAL KOLHAPURE
MD, MICROBIOLOGIST