tenet DIAGNOSTICS
It's Good to Know

E-ICEBLUE
PLEASE SCAN QR CODE

Name	**: Mr . VIJAYA BABU KOSANAM 169990**	TID	: UMR1402416
Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 01:45 PM
Ref By	:	Reported On	: 23-Mar-2024 01:52 PM
Req.No	: BIL4080391	Reference	: Arcofemi Health Care Lt

DEPARTMENT OF ULTRASOUND

Ultrasound Whole Abdomen

LIVER is enlarged in size (16.2 cms) and increased echopattern.
No evidence of focal lesion. No intrahepatic biliary ductal dilatation.
Hepatic and portal vein radicals are normal.

GALL BLADDER shows normal shape and has clear contents.
Gall bladder wall is of normal thickness.
CBD is of normal calibre.

PANCREAS has normal shape, size and uniform echopattern.
No evidence of ductal dilatation or calcification.

SPLEEN shows normal shape, size (11.4 cms) and echopattern.

KIDNEYS move well with respiration and have normal shape, size and echopattern. Cortico- medullary differentiations are well madeout.
No evidence of calculus or hydronephrosis.
Right kidney measures - 10.8 x 5.1 cms, Left kidney measures - 11.4 x 5.9 cms.

URINARY BLADDER shows normal shape and wall thickness.
It has clear contents. No evidence of diverticula.

PROSTATE shows normal shape, size and echopattern.
It measures 3.5 x 3.0 x 2.9 cms, Vol - 16 cc.

No evidence of free fluid in the abdomen and pelvis.

IMPRESSION:

*** Mild hepatomegaly with grade - I fatty liver.**

Suggested clinical correlation and follow up

Dr Rohit Chauhan
MBBS, MD
Consultant Radiologist

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Name	**: Mr . VIJAYA BABU KOSANAM 169990**	TID	: UMR1402416
Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 01:45 PM
Ref By	:	Reported On	: 23-Mar-2024 02:39 PM
Req.No	: BIL4080391	Reference	: Arcofemi Health Care Lt

DEPARTMENT OF X-RAY

X-Ray Chest PA View

Bilateral lungs show increased vascular markings.

Cardiac size is within normal limits.

Aorta and pulmonary vasculature is normal.

Bilateral domes of diaphragm and costophrenic angles are normal.

Visualised bones and soft tissues appear normal.

Suggested clinical correlation and follow up.

Dr Rohit Chauhan
MBBS, MD
Consultant Radiologist

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Ref By	:	Reported On	: 23-Mar-2024 01:53 PM
Req.No	: BIL4080391	Reference	: Arcofemi Health Care Lt

DEPARTMENT OF CARDIOLOGY

2D Echo/Doppler Study

MITRAL VALVE : Normal.

AORTIC VALVE : Normal.

TRICUSPID VALVE : Normal.

PULMONARY VALVE : Normal.

RIGHT ATRIUM : Normal.

RIGHT VENTRICLE : Normal.

LEFT ATRIUM : 3.4 cms.

LEFT VENTRICLE : EDD : 4.6 cm IVS (d) : 1.0 cm LVEF :78 %
ESD : 2.4 cm PW (d) : 1.0 cm FS : 34%
NO RWMA

IAS : Intact.

IVS : Intact.

AORTA : 3.0 cms.

PULMONARY ARTERY : Normal

PERICARDIUM : Normal.

IVC / SVC / CS : Normal.

PULMONARY VEINS : Normal.

INTRA - CARDIAC MASSES : No.

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Req.No	: BIL4080391	Reference	: Arcofemi Health Care Lt

DOPPLER STUDY

MITRAL FLOW : E > A

AORTIC FLOW : 1.0 m/s

PULMONARY FLOW : 0.8 m/s

TRICUSPID FLOW : Normal

COLOUR FLOW MAPPING

MR : NIL
AR : TRIVIAL
TR : TRIVIAL
PR : NIL

IMPRESSION:

*** NO LV RWMA**

*** GOOD LV / RV FUNCTION**

*** NORMAL SIZED CARDIAC CHAMBERS**

*** TRIVIAL TR / AR; NO PAH**

*** NO PE / CLOT / VEGETATION**

- To correlate clinically

C. Santosh Kumar

Dr.C Santosh Kumar
M.D.D.M
Consultant Cardiologist

Name	: **MR.VIJAYA BABU KOSANAM 169990**	TID/SID	: UMR1402416/ 27377000
Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
Ref.By	: ARCOFEMI HEALTH CARE LTD - MEDI WHEELS	Collected on	: 23-Mar-2024 / 14:35 PM
Req.No	: BIL4080391	Reported on	: 23-Mar-2024 / 16:09 PM
	TEST REPORT	Reference	: Arcofemi Health Care Ltd -

DEPARTMENT OF CLINICAL PATHOLOGY

Complete Urine Examination (CUE), Urine

Investigation	Result	Biological Reference Intervals
Physical Examination		
Colour Method:Photo detectors(instrument)	Pale yellow	Straw to Yellow
Appearance Method:Photo diode array sensor	Clear	Clear
Chemical Examination		
Reaction and pH Method:Indicator	Acidic (6.5)	4.6-8.0
Specific gravity Method:Refractometry	1.004	1.000-1.035
Protein Method:Protein Error of pH indicators	Negative	Negative
Glucose Method:Glucose oxidase/Peroxidase	Negative	Negative
Blood Method:Peroxidase	Negative	Negative
Ketones Method:Sodium Nitroprusside	Negative	Negative
Bilirubin Method:Diazonium salt	Negative	Negative
Leucocytes Method:Esterase reaction	Negative	Negative
Nitrites Method:Modified Griess reaction	Negative	Negative
Urobilinogen Method:Diazonium salt	Negative	Up to 1.0 mg/dl (Negative)
Microscopic Examination		
Pus cells (leukocytes) Method:Flow Digital Imaging/Microscopy	1-2	2 - 3 /hpf
Epithelial cells Method:Flow Digital Imaging/Microscopy	1-2	2 - 5 /hpf
RBC (erythrocytes) Method:Flow Digital Imaging/Microscopy	Absent	Absent
Casts Method:Flow Digital Imaging/Microscopy	Absent	Occasional hyaline casts may be seen

Name	: **MR.VIJAYA BABU KOSANAM 169990**	TID/SID	: UMR1402416/ 27377000
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TEST REPORT

Crystals Method:Flow Digital Imaging/Microscopy	Absent	Phosphate, oxalate, or urate crystals may be seen
Others Method:Flow Digital Imaging/Microscopy	Nil	Nil

Method: Semi Quantitative test ,For CUE

Reference: Godkar Clinical Diagnosis and Management by Laboratory Methods, First South Asia edition. Product kit literature.

Interpretation:

The complete urinalysis provides a number of measurements which look for abnormalities in the urine. Abnormal results from this test can be indicative of a number of conditions including kidney disease, urinary tract infecation or elevated levels of substances which the body is trying to remove through the urine . A urinalysis test can help identify potential health problems even when a person is asymptomatic. All the abnormal results are to be correlated clinically.

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* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Dr.K Sucharita
Consultant Pathologist
Reg.No - TSMC/FMR/01493

Name	: **MR.VIJAYA BABU KOSANAM 169990**	TID/SID	: UMR1402416/ 27376998
Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
Ref.By	: ARCOFEMI HEALTH CARE LTD - MEDI WHEELS	Collected on	: 23-Mar-2024 / 14:35 PM
Req.No	: BIL4080391	Reported on	: 23-Mar-2024 / 19:05 PM
	TEST REPORT	Reference	: Arcofemi Health Care Ltd -

DEPARTMENT OF HEMATOLOGY

Blood Grouping ABO And Rh Typing, EDTA Whole Blood

Parameter	Results
Blood Grouping (ABO)	O
Rh Typing (D)	Positive

Method: Hemagglutination Tube Method by Forward & Reverse Grouping

Reference: Tulip kit literature

Interpretation: The ABO grouping and Rh typing test determines blood type grouping (A,B, AB, O) and the Rh factor (positive or negative). A person's blood type is based on the presence or absence of certain antigens on the surface of their red blood cells and certain antibodies in the plasma. ABO antigens are poorly expresses at birth, increase gradually in strength and become fully expressed around 1 year of age.
In case of Rh(D) - Du(weak positive) or Weak D positive, the individual must be considered as Rh positive as donor and Rh negative as recipient.

Note: Records of previous blood grouping/Rh typing not available. Please verify before transfusion.

* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Sucharita

Dr.K Sucharita
Consultant Pathologist
Reg.No - TSMC/FMR/01493

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MC-2977

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Name	: **MR.VIJAYA BABU KOSANAM 169990**	TID/SID	: UMR1402416/ 27376998
Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
Ref.By	: ARCOFEMI HEALTH CARE LTD - MEDI WHEELS	Collected on	: 23-Mar-2024 / 14:35 PM
Req.No	: BIL4080391	Reported on	: 23-Mar-2024 / 18:11 PM
	TEST REPORT	Reference	: Arcofemi Health Care Ltd -

DEPARTMENT OF HEMATOLOGY

Erythrocyte Sedimentation Rate (ESR), Sodium Citrate Whole Blood

Investigation	Observed Value	Biological Reference Intervals
ESR 1st Hour Method:Westergren/Vesmatic	**19**	<=10 mm/hour

* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Sucharita

Dr.K Sucharita
Consultant Pathologist
Reg.No - TSMC/FMR/01493

tenet DIAGNOSTICS
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Name	: **MR.VIJAYA BABU KOSANAM 169990**	TID/SID	: UMR1402416/ 27376998
Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
Ref.By	: ARCOFEMI HEALTH CARE LTD - MEDI WHEELS	Collected on	: 23-Mar-2024 / 14:35 PM
Req.No	: BIL4080391	Reported on	: 23-Mar-2024 / 18:11 PM
	TEST REPORT	Reference	: Arcofemi Health Care Ltd -

DEPARTMENT OF HEMATOLOGY

Complete Blood Count (CBC), EDTA Whole Blood

Investigation	Observed Value	Biological Reference Intervals
Hemoglobin Method:Spectrophotometry	14.8	13.0-17.0 g/dL
PCV/HCT Method:Calculated	44.1	40.0-50.0 vol%
Total RBC Count Method:Electrical Impedance	5.05	4.50-5.50 mill /cu.mm
MCV Method:Calculated	87.3	83.0-101.0 fL
MCH Method:Calculated	29.3	27.0-32.0 pg
MCHC Method:Calculated	33.5	31.5-34.5 g/dL
RDW (CV) Method:Calculated	**16.1**	11.6-14.0 %
MPV Method:Calculated	9.5	7.0-10.0 fL
Total WBC Count Method:Electrical Impedance	7190	4000-10000 cells/cumm
Platelet Count Method:Electrical Impedance	2.52	1.50-4.10 lakhs/cumm
Differential count		
Neutrophils	52.4	40.0-80.0 %
Lymphocytes	36.6	20.0-40.0 %
Eosinophils	1.2	1.0-6.0 %
Monocytes	9.6	2.0-10.0 %
Basophils Method:Flowcytometry/Microscopy	0.2	< 1.0-2.0 %
Absolute Neutrophil Count	3767.56	2000-7000 cells/cumm
Absolute Lymphocyte Count (ALC)	2631.54	1000-3000 cells/cumm
Absolute Eosinophil Count (AEC)	86.28	20-500 cells/cumm
Absolute Monocyte Count	690.24	200-1000 cells/cumm
Absolute Basophil Count Method:Calculated	**14.38**	20-100 cells/cumm

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Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
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TEST REPORT

Neutrophil - Lymphocyte Ratio(NLR) Method:Calculated	1.43	0.78-3.53
RBC	Normocytic Normochromic	
WBC	Normal in Morphology & Distribution	
Platelets	Adequate	

Method: Automated Hematology Cell Counter, Microscopy

Reference: Dacie and Lewis Practical Hematology,12th Edition.
Wallach's interpretation of diagnostic tests, Soth Asian Edition.

Interpretation: A Complete Blood Picture (CBP) is a screening test which can aid in the diagnosis of a variety of conditions and diseases such as anemia, leukemia, bleeding disorders and infections. This test is also useful in monitoring a person's reaction to treatment when a condition which affects blood cells has been diagnosed. All the abnormal results are to be correlated clinically.

Note: These results are generated by a fully automated hematology analyzer and the differential count is computed from a total of several thousands of cells. Therefore the differential count appears in decimalised numbers and may not add upto exactly 100. It may fall between 99 and 101.

* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Dr.K Sucharita
Consultant Pathologist
Reg.No - TSMC/FMR/01493

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Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
Ref.By	: ARCOFEMI HEALTH CARE LTD - MEDI WHEELS	Collected on	: 23-Mar-2024 / 14:35 PM
Req.No	: BIL4080391	Reported on	: 23-Mar-2024 / 18:57 PM
	TEST REPORT	Reference	: Arcofemi Health Care Ltd -

DEPARTMENT OF CLINICAL CHEMISTRY I

Blood Urea Nitrogen (BUN), Serum

Investigation	Observed Value	Biological Reference Interval
Blood Urea Nitrogen. Method:Calculated	10.47	6-20 mg/dL
Urea. Method:Urease/UV	22.4	12.8-42.8 mg/dL

Interpretation: Urea is a waste product formed in the liver when protein is metabolized. Urea is released by the liver into the blood and is carried to the kidneys, where it is filtered out of the blood and released into the urine. Since this is a continuous process, there is usually a small but stable amount of urea nitrogen in the blood. However, when the kidneys cannot filter wastes out of the blood due to disease or damage, then the level of urea in the blood will rise. The blood urea nitrogen (BUN) evaluates kidney function in a wide range of circumstances, to diagnose kidney disease, and to monitor people with acute or chronic kidney dysfunction or failure. It also may be used to evaluate a person's general health status as well.

Reference: Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics

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* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Dr Afreen Anwar
Consultant Biochemist

Name	: **MR.VIJAYA BABU KOSANAM 169990**	TID/SID	: UMR1402416/ 27376999
Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
Ref.By	: ARCOFEMI HEALTH CARE LTD - MEDI WHEELS	Collected on	: 23-Mar-2024 / 14:35 PM
Req.No	: BIL4080391	Reported on	: 23-Mar-2024 / 18:57 PM
	TEST REPORT	Reference	: Arcofemi Health Care Ltd -

DEPARTMENT OF CLINICAL CHEMISTRY I

Creatinine, Serum

Investigation	Observed Value	Biological Reference Interval
Creatinine. Method:Alkaline Picrate	0.9	0.70-1.20 mg/dL

Interpretation:

Creatinine is a nitrogenous waste product produced by muscles from creatine. Creatinine is majorly filtered from the blood by the kidneys and released into the urine, so serum creatinine levels are usually a good indicator of kidney function. Serum creatinine is more specific and more sensitive indicator of renal function as compared to BUN because it is produced from muscle at a constant rate and its level in blood is not affected by protein catabolism or other exogenous products. It is also not reabsorbed and very little is secreted by tubules making it a reliable marker. Serum creatinine levels are increased in pre renal, renal and post renal azotemia, active acromegaly and gigantism. Decreased serum creatinine levels are seen in pregnancy and increasing age.

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* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Dr Afreen Anwar
Consultant Biochemist

Name	: **MR.VIJAYA BABU KOSANAM 169990**	TID/SID	: UMR1402416/ 27376853F
Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
Ref.By	: ARCOFEMI HEALTH CARE LTD - MEDI WHEELS	Collected on	: 23-Mar-2024 / 14:11 PM
Req.No	: BIL4080391	Reported on	: 23-Mar-2024 / 20:20 PM
	TEST REPORT	Reference	: Arcofemi Health Care Ltd -

DEPARTMENT OF CLINICAL CHEMISTRY I

Glucose Fasting (FBS), Sodium Fluoride Plasma

Investigation	Observed Value	Biological Reference Interval
Glucose Fasting Method:Hexokinase	**134**	Normal: <100 mg/dL Impaired FG: 100-125 mg/dL Diabetes mellitus: >/=126 mg/dL
Note	Kindly correlate clinically	

Interpretation: It measures the Glucose levels in the blood with a prior fasting of 9-12 hours. The test helps screen a symptomatic/ asymptomatic person who is at risk for Diabetes. It is also used for regular monitoring of glucose levels in people with Diabetes.

Reference: American Diabetes Association. Standards of Medical Care in Diabetes-2022

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* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Dr Afreen Anwar
Consultant Biochemist

Name	: **MR.VIJAYA BABU KOSANAM 169990**	TID/SID	: UMR1402416/ 27376853P
Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
Ref.By	: ARCOFEMI HEALTH CARE LTD - MEDI WHEELS	Collected on	: 23-Mar-2024 / 14:24 PM
Req.No	: BIL4080391	Reported on	: 23-Mar-2024 / 20:20 PM
	TEST REPORT	Reference	: Arcofemi Health Care Ltd -

DEPARTMENT OF CLINICAL CHEMISTRY I

Glucose Post Prandial (PPBS), Sodium Fluoride Plasma

Investigation	Observed Value	Biological Reference Interval
Glucose Post Prandial Method:Hexokinase	**177**	Normal : <140 mg/dL Impaired PG: 140-199 mg/dL Diabetes mellitus: >/=200 mg/dL
Note	Kindly correlate clinically	

Interpretation: This test measures the blood sugar levels 2 hours after a normal meal. Abnormally high blood sugars 2 hours after a meal reflect that the body is not producing sufficient insulin which is indicative of Diabetes.

Reference: American Diabetes Association. Standards of Medical Care in Diabetes-2022

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* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Dr Afreen Anwar
Consultant Biochemist

tenet DIAGNOSTICS
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Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
Ref.By	: ARCOFEMI HEALTH CARE LTD - MEDI WHEELS	Collected on	: 23-Mar-2024 / 14:35 PM
Req.No	: BIL4080391	Reported on	: 23-Mar-2024 / 17:15 PM
	TEST REPORT	Reference	: Arcofemi Health Care Ltd -

DEPARTMENT OF CLINICAL CHEMISTRY I

Glycosylated Hemoglobin (HbA1C), EDTA Whole Blood

Investigation	Observed Value	Biological Reference Interval
Glycosylated Hemoglobin (HbA1c) Method:High-Performance Liquid Chromatography	**8.6**	Non-diabetic: <= 5.6 % Pre-diabetic: 5.7 - 6.4 % Diabetic: >= 6.5 %
Estimated Average Glucose (eAG) Method:Calculated	**200**	mg/dL
Note	Kindly correlate clinically	

Interpretation:

It is an index of long-term blood glucose concentrations and a measure of the risk for developing microvascular complications in patients with diabetes. Absolute risks of retinopathy and nephropathy are directly proportional to the mean HbA1c concentration. In persons without diabetes, HbA1c is directly related to risk of cardiovascular disease.

1) Low glycated haemoglobin (below 4%) in a non-diabetic individual are often associated with systemic inflammatory diseases, chronic anaemia (especially severe iron deficiency & haemolytic), chronic renal failure and liver diseases. Clinical correlation suggested.

2) Interference of Hemoglobinopathies in HbA1c estimatiion:
A. For HbF > 25%, an alternate platform (Fructosamine) is recommended for testing of HbA1c.
B. Homozygous hemoglobinopathy is detected, fructosamine is recommended for monitoring diabetic status
C. Heterozygous state detected (D10 is corrected for HbS and HbC trait).
3) In known diabetic patients, HbA1c can be considered as a tool for monitoring the glycemic control.
Excellent Control - 6 to 7 %,
Fair to Good Control - 7 to 8 %,
Unsatisfactory Control - 8 to 10 %
and Poor Control - More than 10 %.
Reference: American Diabetes Association. Standards of Medical Care in Diabetes-2022.

* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Dr.Abdur Rehman Asif
Consultant Biochemist
Reg.No - APMC/FMR/78102

Name	: **MR.VIJAYA BABU KOSANAM 169990**	TID/SID	: UMR1402416/ 27376999
Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
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DEPARTMENT OF CLINICAL CHEMISTRY I

Lipid Profile, Serum

Investigation	Observed Value	Biological Reference Interval
Total Cholesterol Method:Cholesterol Oxidase	229	Desirable: <200 mg/dL Borderline: 200-239 mg/dL High: >/=240 mg/dL
HDL Cholesterol Method:Direct Measurement	50	Low: <40 mg/dL High: >/=60 mg/dL
VLDL Cholesterol Method:Calculated	34	6.0-38.0 mg/dL
LDL Cholesterol Method:Calculated	145	Optimum: <100 mg/dL Near/above optimum: 100-129 mg/dL Borderline: 130-159 mg/dL High: 160-189 mg/dL Very high: >/=190 mg/dL
Triglycerides Method:Enzymatic end point	170	Normal:<150 mg/dL Borderline: 150-199 mg/dL High: 200-499 mg/dL Very high: >/=500 mg/dL
Chol/HDL Ratio Method:Calculated	**4.58**	Low Risk: 3.3-4.4 Average Risk: 4.5-7.1 Moderate Risk: 7.2-11.0
LDL Cholesterol/HDL Ratio Method:Calculated	2.9	Desirable: 0.5-3.0 Borderline Risk: 3.0-6.0 High Risk: >6.0
Note	Kindly correlate clinically	

Interpretation: Lipids are fats and fat-like substances which are important constituents of cells and are rich sources of energy. A lipid profile typically includes total cholesterol, high density lipoproteins (HDL), low density lipoprotein (LDL), chylomicrons, triglycerides, very low density lipoproteins (VLDL), Cholesterol/HDL ratio .The lipid profile is used to assess the risk of developing a heart disease and to monitor its treatment. The results of the lipid profile are evaluated along with other known risk factors associated with heart disease to plan and monitor treatment. Treatment options require clinical correlation.**Reference:** Third Report of the National Cholesterol Education program (NCEP) Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults (Adult Treatment Panel III), JAMA 2001.

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* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Dr Afreen Anwar
Consultant Biochemist

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	TEST REPORT	Reference	: Arcofemi Health Care Ltd -

DEPARTMENT OF CLINICAL CHEMISTRY I

Liver Function Test (LFT), Serum

Investigation	Observed Value	Biological Reference Interval
Total Bilirubin. Method:Diazo method	0.47	<1.2 mg/dL
Direct Bilirubin. Method:Diazo method	0.25	<0.30 mg/dL
Indirect Bilirubin. Method:Calculated	0.22	<0.9 mg/dL
Alanine Aminotransferase ,(ALT/SGPT) Method: IFCC without pyridoxal phosphate activation	33	<45 U/L
Aspartate Aminotransferase,(AST/SGOT) Method: IFCC without pyridoxal phosphate activation	27	<35 U/L
ALP (Alkaline Phosphatase). Method:PNPP-AMP Buffer	119	40-129 U/L
Gamma GT. Method:Gamma-Glutamyl - 3 - Carbossi - 4 - Nitroanilide (GCNA)	58	10-71 U/L
Total Protein. Method:Biuret	8.2	6.6-8.7 g/dL
Albumin. Method:Bromocresol Green (BCG)	4.4	3.5-5.2 g/dL
Globulin. Method:Calculated	3.80	1.8-3.8 g/dL
A/GRatio. Method:Calculated	1.16	0.8-2.0

Interpretation: Liver functions tests help to identify liver disease, its severity, and its type. Generally these tests are performed in combination, are abnormal in liver disease, and the pattern of abnormality is indicative of the nature of liver disease. An isolated abnormality of a single liver function test usually means a non-hepatic cause. If several liver function tests are simultaneously abnormal, then hepatic etiology is likely.

* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Dr Afreen Anwar
Consultant Biochemist

Name	: **MR.VIJAYA BABU KOSANAM 169990**	TID/SID	: UMR1402416/ 27376999
Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
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	TEST REPORT	Reference	: Arcofemi Health Care Ltd -

DEPARTMENT OF CLINICAL CHEMISTRY I

Prostate Specific Antigen (PSA) Total, Serum

Investigation	Observed Value	Biological Reference Interval
Prostate Specific Antigen (PSA). Total Method:ECLIA	0.77	<4.4 ng/mL **Note:** Biological Reference Ranges are changed due to change in method of testing.

Interpretation: PSA is a protein produced by cells in the prostate and is used to screen men for prostate cancer. PSA levels are elevated in Prostate cancer, and other conditions such as benign prostatic hyperplasia (BPH) and inflammation of the prostate. An elevated PSA may be followed by a biopsy and other tests like urinalysis and ultrasound to rule out urinary tract infections and for an accurate diagnosis. PSA levels are vital to determine the effectiveness of treatment and to detect recurrence in diagnosed cases of prostate cancer.

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* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Dr Afreen Anwar
Consultant Biochemist

Name	: **MR.VIJAYA BABU KOSANAM 169990**	TID/SID	: UMR1402416/ 27376999
Age / Gender	: 43 Years / Male	Registered on	: 23-Mar-2024 / 13:45 PM
Ref.By	: ARCOFEMI HEALTH CARE LTD - MEDI WHEELS	Collected on	: 23-Mar-2024 / 14:35 PM
Req.No	: BIL4080391	Reported on	: 23-Mar-2024 / 18:57 PM
	TEST REPORT	Reference	: Arcofemi Health Care Ltd -

DEPARTMENT OF CLINICAL CHEMISTRY I

Thyroid Profile (T3,T4,TSH), Serum

Investigation	Observed Value	Biological Reference Interval
Triiodothyronine Total (T3) Method:ECLIA	**0.77**	0.80-2.00 ng/mL **Note:** Biological Reference Ranges are changed due to change in method of testing.
Thyroxine Total (T4) Method:ECLIA	6.1	5.1-14.1 µg/dL **Note:** Biological Reference Ranges are changed due to change in method of testing.
Thyroid Stimulating Hormone (TSH) Method:ECLIA	2.09	0.27-4.20 µIU/mL **Note:** Biological Reference Ranges are changed due to revision of reference source.
Note	Kindly correlate clinically	

Interpretation:

A thyroid profile is used to evaluate thyroid function and/or help diagnose hypothyroidism and hyperthyroidism due to various thyroid disorders. T4 and T3 are hormones produced by the thyroid gland. They help control the rate at which the body uses energy, and are regulated by a feedback system. TSH from the pituitary gland stimulates the production and release of T4 (primarily) and T3 by the thyroid. Most of the T4 and T3 circulate in the blood bound to protein. A small percentage is free (not bound) and is the biologically active form of the hormones.
Reference: Tietz textbook of Clinial Chemistry and Molecular Diagnostics, Nader Rifia, Andrea Ritas Horvath, Carl T. Wittwer.

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--- End Of Report ---

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Consultant Biochemist

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DEPARTMENT OF CLINICAL CHEMISTRY I

Uric Acid, Serum

Investigation	Observed Value	Biological Reference Interval
Uric Acid. Method:Uricase	5.8	3.4-7.0 mg/dL

Interpretation

It is the major product of purine catabolism. Hyperuricemia can result due to increased formation or decreased excretion of uric acid which can be due to several causes like metabolic disorders, psoriasis, tissue hypoxia, pre-eclampsia, alcohol, lead poisoning, acute or chronic kidney disease, etc. Hypouricemia may be seen in severe hepato cellular disease and defective renal tubular reabsorption of uric acid.

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* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

Dr Afreen Anwar
Consultant Biochemist

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It's Good to Know

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TO VERIFY THE REPORT ONLINE

Name	: **MR.VIJAYA BABU KOSANAM 169990**	TID/SID	: UMR1402416/ 27376999
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DEPARTMENT OF CLINICAL CHEMISTRY I

Bun/Creatinine Ratio, Serum

Investigation	Observed Value	
BUN/Creatinine Ratio Method:Calculated	11.11	10-20

Interpretation:
The BUN/Creatinine ratio blood test is used to diagnose acute or chronic renal disease. BUN (blood urea nitrogen) and creatinine are both filtered in the kidneys and excreted in urine. The two together are used to measure overall kidney function

1. Increased ratio (>20) with normal creatinine occurs in the following conditions:
a) Increased BUN (prerenal azotemia), heart failure, salt depletion, dehydration
b) Catabolic states with tissue breakdown
c) GI hemorrhage
d) Impaired renal function plus excess protein intake, production, or tissue breakdown
2. Increased ratio (>20) with elevated creatinine occurs in the following conditions:
a) Obstruction of urinary tract
b) Prerenal azotemia with renal disease

3. Decreased ratio (<10) with decreased BUN occurs in the following conditions:
a) Acute tubular necrosis
b) Decreased urea synthesis as in severe liver disease or starvation
c) Repeated dialysis
d) SIADH
e) Pregnancy

4. Decreased ratio (<10) with increased creatinine occurs in the following conditions:
a) Phenacemide therapy (accelerates conversion of creatine to creatinine)
b) Rhabdomyolysis (releases muscle creatinine)
c) Muscular patients who develop renal failure

* Sample processed at National Reference Laboratory, Tenet Diagnostics, Hyderabad

--- End Of Report ---

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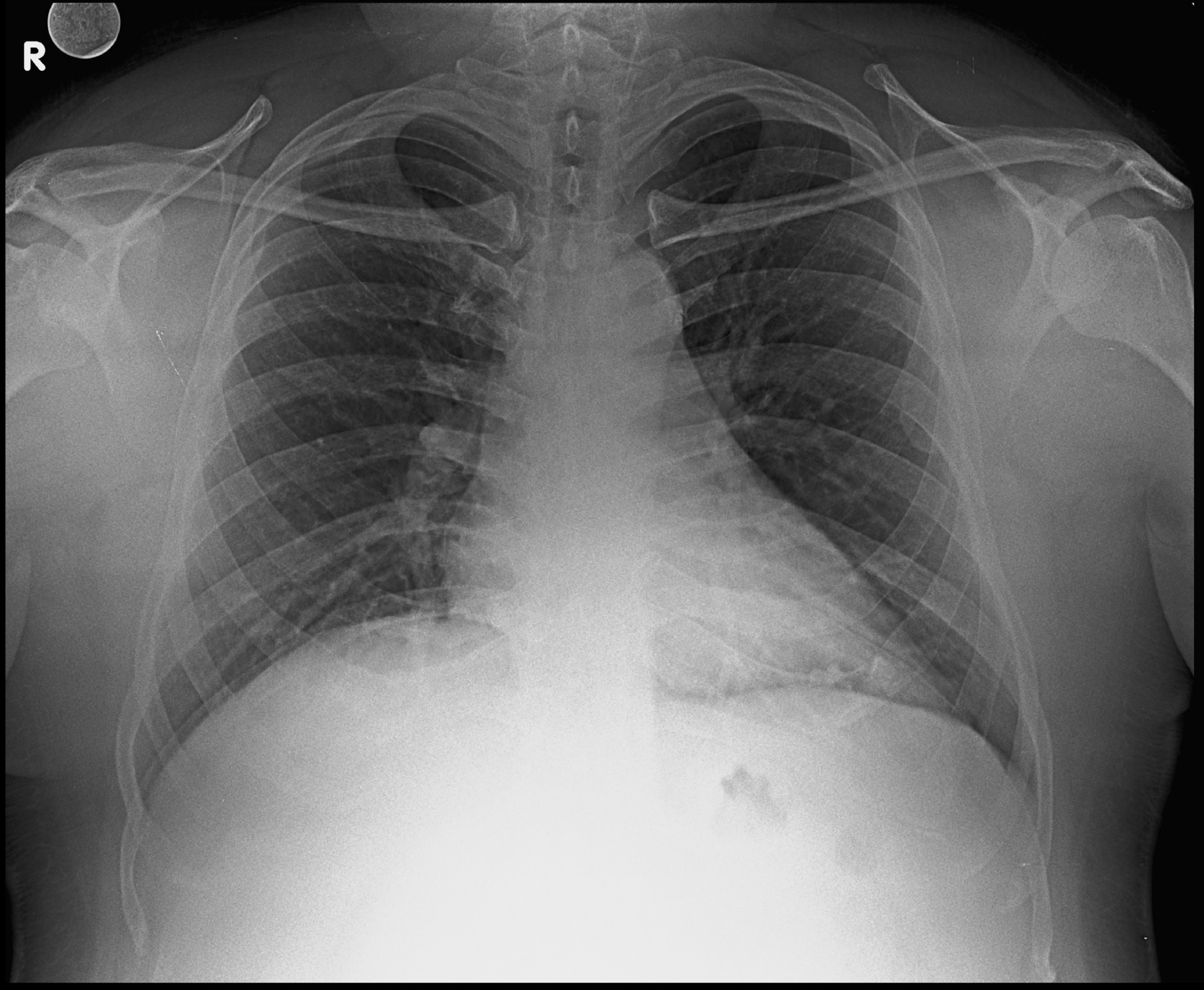


VIJAYA BABU KOSANAM 43Y/M 4079416 CHEST PA 23-03-2024

TENET DIAGNOSTICS KOTHAPET.

Vjaya babu kosanam
4079416

Male

ears

23 03 2024 11:00:34
TENET DIAGNOSTIC CENTER
KOTHAPET
HYDERABAD

Location
Room
Order Number
Indication
Medication 1
Medication 2
Medication 3

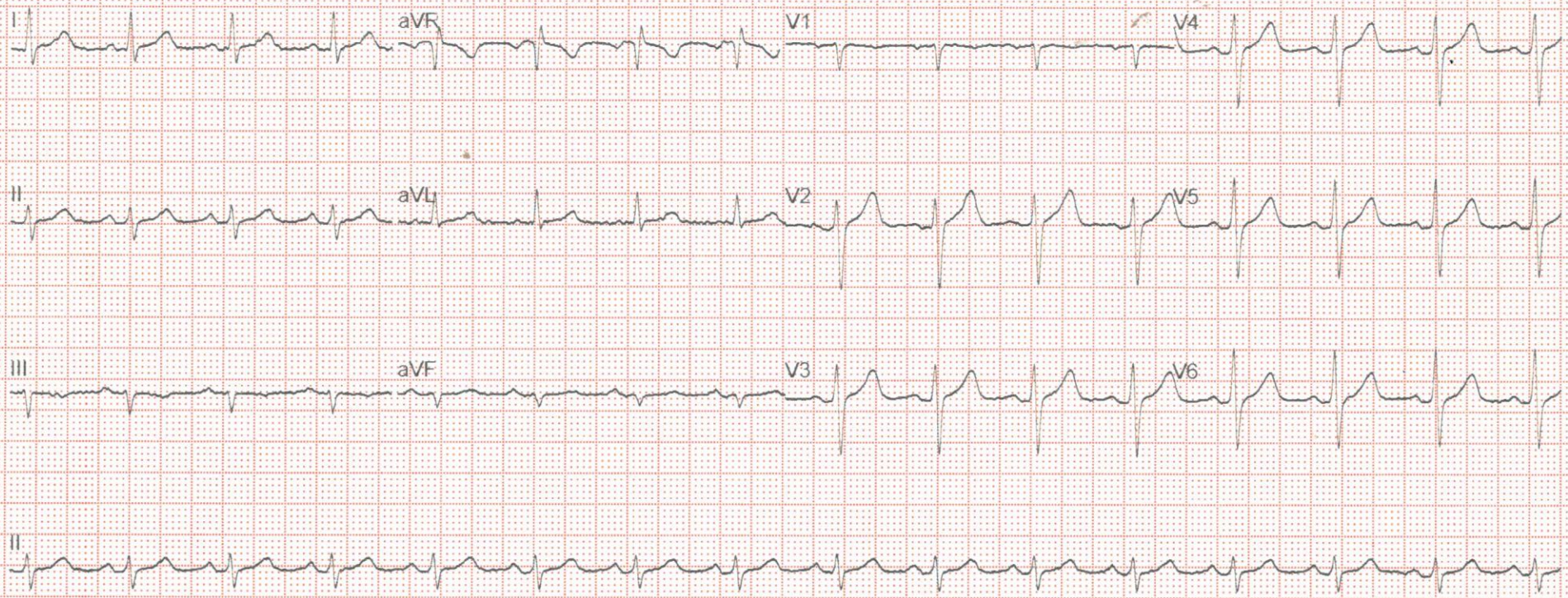
93 bpm
-- / -- mmHg

QRS	84 ms
QT / QTcBaz	350 / 435 ms
PR	156 ms
P	100 ms
RR / PP	648 / 645 ms
P / QRS / T	53 / -15 / 19 degrees

Normal sinus rhythm
Normal ECG

Technician
Ordering Ph
Referring Ph
Attending Ph

Dr. C. SANTOSH KUMAR
MD;DM
Consultant Cardiologist
Regd. No. 49661



Unconfirmed

GE MAC2000 1:1 12SL™ v241 25 mm/s 10 mm/mV ADS 0.56-20 Hz 50 Hz 4x2.5x3_25_R1 1/1