

# AGILUS LABS DIAGNOSTICS CENTER

NABL & ISO 15189:2012 Accredited Laboratory

**Lab ID:** ALDC-47M-114782

**Report Date:** 24-Jan-2026

**Report Type:** Comprehensive Preventive Health Checkup

**Referring Doctor:** Corporate Wellness Program

**Sample Status:** All samples received and processed successfully

## PATIENT INFORMATION

Parameter	Details
Patient Name	Mr. S. A. Verma
Age / Sex	47 Years / Male
Height	176 cm
Weight	92.1 kg
Body Mass Index	29.7 kg/m <sup>2</sup> (Overweight)
Blood Group	O Positive

## CLINICAL NOTES

- Patient reports low physical activity due to desk-based occupation.
- Family history significant for Type 2 Diabetes Mellitus (mother) and hypertension.
- Occasional smoker (social).
- Reports disturbed sleep and work-related stress.

## VITAL SIGNS & ANTHROPOMETRY

Parameter	Result	Unit	Reference
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Parameter	Result	Unit	Reference
Blood Pressure (Systolic)	146	mmHg	<120
Blood Pressure (Diastolic)	92	mmHg	<80
Pulse Rate	84	bpm	60–100
Respiratory Rate	18	/min	12–20
Body Temperature	37.1	°C	36–37.5
Waist Circumference	108	cm	<94

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## COMPLETE BLOOD COUNT

Parameter	Result	Unit	Reference
Hemoglobin	13.6	g/dL	13.0–17.0
Total RBC Count	4.62	million/ $\mu$ L	4.5–5.9
Hematocrit (PCV)	41.0	%	40–50
MCV	88.7	fL	80–96
MCH	29.4	pg	27–33
MCHC	33.1	g/dL	32–36
Total WBC Count	8,900	/ $\mu$ L	4,000–11,000
Neutrophils	68	%	40–70
Lymphocytes	24	%	20–40
Monocytes	6	%	2–8
Eosinophils	2	%	1–6
Basophils	0	%	0–1
Platelet Count	226,000	/ $\mu$ L	150,000–450,000
ESR	24	mm/hr	<20

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## GLYCAEMIC PROFILE

Parameter	Result	Unit	Reference

Parameter	Result	Unit	Reference
Fasting Blood Glucose	132	mg/dL	70–99
Postprandial Glucose	196	mg/dL	<140
HbA1c	6.8	%	<5.7
Estimated Avg Glucose	148	mg/dL	—

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## LIPID PROFILE

Parameter	Result	Unit	Reference
Total Cholesterol	242	mg/dL	<200
Triglycerides	224	mg/dL	<150
HDL Cholesterol	34	mg/dL	>40
LDL Cholesterol (Calculated)	162	mg/dL	<100
VLDL Cholesterol	45	mg/dL	<30
Non-HDL Cholesterol	208	mg/dL	<130
TC/HDL Ratio	7.1	Ratio	<4.5

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## LIVER FUNCTION TESTS

Parameter	Result	Unit	Reference
Total Bilirubin	1.2	mg/dL	0.3–1.2
Direct Bilirubin	0.4	mg/dL	<0.4
Indirect Bilirubin	0.8	mg/dL	—
SGOT (AST)	58	U/L	<40
SGPT (ALT)	74	U/L	<45
Alkaline Phosphatase	146	U/L	44–147
Total Protein	7.0	g/dL	6.4–8.3
Albumin	3.9	g/dL	3.5–5.2
Globulin	3.1	g/dL	2.0–3.5

Parameter	Result	Unit	Reference
A/G Ratio	1.25	Ratio	1.0-2.2

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## KIDNEY FUNCTION TESTS

Parameter	Result	Unit	Reference
Blood Urea	44	mg/dL	15-45
Serum Creatinine	1.5	mg/dL	0.7-1.3
BUN	21	mg/dL	7-20
Uric Acid	8.2	mg/dL	3.5-7.2
eGFR (CKD-EPI)	54	mL/min/1.73m <sup>2</sup>	>90

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## ELECTROLYTES

Parameter	Result	Unit	Reference
Sodium	137	mmol/L	135-145
Potassium	4.9	mmol/L	3.5-5.1
Chloride	100	mmol/L	98-107
Calcium	8.6	mg/dL	8.6-10.2
Phosphorus	3.9	mg/dL	2.5-4.5
Magnesium	1.8	mg/dL	1.7-2.4

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## THYROID PROFILE

Parameter	Result	Unit	Reference
TSH	6.1	µIU/mL	0.4-4.0
Free T3	2.6	pg/mL	2.3-4.2
Free T4	0.9	ng/dL	0.8-1.8

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# CARDIAC RISK MARKERS

Parameter	Result	Unit	Reference
High Sensitivity CRP	5.2	mg/L	<1.0
Homocysteine	21.4	µmol/L	<15
Apolipoprotein B	142	mg/dL	<90

# URINE ANALYSIS

Parameter	Result	Unit	Reference
Color	Dark Yellow	—	—
Appearance	Slightly Turbid	—	—
Specific Gravity	1.030	—	1.005–1.030
pH	5.5	—	4.5–8.0
Protein	1+	—	Negative
Glucose	Trace	—	Negative
Ketones	Negative	—	Negative
Blood	Trace	—	Negative
WBCs	6–8	/HPF	<5
RBCs	3–4	/HPF	<3
Casts	Hyaline (Few)	—	Nil
Crystals	Nil	—	Nil

# VITAMIN & HORMONAL PANEL

Parameter	Result	Unit	Reference
Vitamin D(25-OH)	12	ng/mL	30–100
Vitamin B12	224	pg/mL	200–900
Serum Testosterone (Total)	284	ng/dL	300–1000

# **PATHOLOGIST REMARKS**

- Results are suggestive of uncontrolled glycaemia consistent with Type 2 Diabetes Mellitus.
  - Significant dyslipidemia and elevated inflammatory markers indicate high cardiovascular risk.
  - Liver enzyme elevation likely secondary to non-alcoholic fatty liver disease.
  - Evidence of early renal impairment noted; nephrology correlation advised.
  - Severe Vitamin D deficiency detected.
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**Report Authenticated Electronically**

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Senior Consultant Pathologist

Agilus Labs Diagnostics Center