Meridian Clinical Laboratories

PATHOLOGY & LABORATORY MEDICINE

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LABORATORY REPORT

FINAL

AMS-2026-0617-44821

PATIENT

PATIENT NAME
Daan Vermeulen

DATE OF BIRTH
14.03.1971

AGE / SEX
55 yrs · Male

PATIENT ID (MRN)
MRN-0048217

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ADDRESS
Prinsengracht 263, 1016 GV Amsterdam

SPECIMEN & ORDER

ACCESSION NO.
AMS-2026-0617-44821

FASTING
Yes · 12 h

SPECIMEN
Serum (SST) & whole blood (K_2EDTA)

COLLECTED
25.06.2026 · 08:12

RECEIVED
25.06.2026 · 10:40

REPORTED
26.06.2026 · 14:05

ORDERING CLINICIAN
Dr. Sanne de Vries

REFERRING PRACTICE
Huisartsenpraktijk Jordaan, Amsterdam

CLINICAL DETAILS
Periodic health check; family history of type 2 diabetes & cardiovascular disease

Results

Within range · High (H) · Low (L)

30 analytes · **8** outside reference interval

Complete Blood Count (FBC with differential)

Sysmex XN-1000 · impedance & flow cytometry

ANALYTE	RESULT	UNITS	FLAG	REFERENCE INTERVAL	LOW · NORMAL · HIGH
White Cell Count (WBC)	6.8	×10⁹/L		4.0 – 11.0	
Red Cell Count (RBC)	5.12	×10¹²/L		4.50 – 5.90	
Haemoglobin	152	g/L		130 – 170	
Haematocrit	0.45	L/L		0.40 – 0.50	
Mean Cell Volume (MCV)	89	fL		80 – 100	
Mean Cell Haemoglobin (MCH)	29.7	pg		27.0 – 33.0	
MCHC	334	g/L		320 – 360	
Red Cell Distribution Width (RDW)	13.2	%		11.5 – 14.5	
Platelet Count	244	×10⁹/L		150 – 400	

Comprehensive Metabolic Panel (renal · electrolytes · liver)

Roche cobas c 503 · photometry / ISE

ANALYTE	RESULT	UNITS	FLAG	REFERENCE INTERVAL	LOW · NORMAL · HIGH
Glucose, fasting	6.4	mmol/L	H	3.9 – 5.5	
Urea	5.6	mmol/L		2.5 – 7.8	
Creatinine	86	µmol/L		59 – 104	
eGFR (CKD-EPI)	92	mL/min/1.73m²		> 90	
Sodium	140	mmol/L		135 – 145	
Potassium	4.3	mmol/L		3.5 – 5.1	
Chloride	103	mmol/L		98 – 107	
Bicarbonate	26	mmol/L		22 – 29	

ANALYTE	RESULT	UNITS	FLAG	REFERENCE INTERVAL	LOW · NORMAL · HIGH
Calcium, adjusted	**2.38**	mmol/L		2.20 – 2.60	
Total Protein	**72**	g/L		64 – 83	
Albumin	**44**	g/L		35 – 50	
Bilirubin, total	**12**	µmol/L		0 – 21	
Alkaline Phosphatase (ALP)	**88**	U/L		30 – 120	
Aspartate Transaminase (AST)	**34**	U/L		10 – 40	
Alanine Transaminase (ALT)	**58**	U/L	H	7 – 56	

Lipid Profile (cardiovascular risk · fasting)

Enzymatic colorimetric · LDL by Friedewald

ANALYTE	RESULT	UNITS	FLAG	REFERENCE INTERVAL	LOW · NORMAL · HIGH
Total Cholesterol	**6.7**	mmol/L	H	< 5.0	
Triglycerides	**2.9**	mmol/L	H	< 1.7	
HDL Cholesterol	**0.9**	mmol/L	L	> 1.0	
LDL Cholesterol (calc.)	**4.5**	mmol/L	H	< 3.0	
Non-HDL Cholesterol	**5.8**	mmol/L	H	< 3.8	
Total Cholesterol : HDL Ratio	**7.4**		H	< 4.5	

INTERPRETATION & COMMENTS

Fasting glucose is elevated at 6.4 mmol/L, consistent with impaired fasting glucose. The lipid profile demonstrates mixed dyslipidaemia with a raised total cholesterol : HDL ratio (7.4), indicating increased cardiovascular risk.

Alanine transaminase (ALT) is mildly elevated; in the clinical context this may reflect hepatic steatosis. The full blood count is within normal limits.

Suggested follow-up: HbA1c, repeat fasting lipids after 8–12 weeks of dietary and lifestyle modification, and clinical correlation. Please interpret all results in conjunction with the clinical picture.

M. Hoekstra

Dr. Margriet Hoekstra
MD PhD · Consultant Clinical Chemist (EuSpLM)
BIG reg. 49 0917 2301

REPORTED
26.06.2026 · 14:05

REPORT ID
RPT-44821-FN

Electronically authorised ✓

— END OF REPORT —

This report has been reviewed and electronically authorised; it is valid without a handwritten signature. Results relate only to the specimen received and to the reference intervals of the issuing laboratory, which are method- and population-dependent. This document may contain confidential medical information intended solely for the named recipient.