

DIAMOND BLOOD PROFILE

WALK-IN CLINIC

TEL: 020 7323 1023

HAEMATOLOGY (Blood)

Haemoglobin	165		(130-170) g/L
Haematocrit	0.487		(0.400-0.500) L/L
RBC	5.6	H	(4.5-5.5) x10e12/L
MCV	87.3		(81-101) fL
MCH	29.6		(27-32) pg
MCHC	339		(315-345) g/L
RDW	12.0		(11.6-14.0) %
Platelets	326		(150-410) x10e9/L
MPV	9.0		(9.0-12.0) fL
WBC	6.1		(4.0-10.0) x10e9/L
Neutrophils	3.3		(2.0-7.0) x10e9/L
Lymphocytes	2.1		(1.0-3.0) x10e9/L
Monocytes	0.5		(0.2-1.0) x10e9/L
Eosinophils	0.14		(0.02-0.5) x10e9/L
Basophils	0.07		(0.02-0.10) x10e9/L
ESR	5		(0-10) mm/Hour
Vitamin B12	752	H	(191-663) pg/mL
Serum Folate	> 20.0		(> 3.8) ng/mL

COAGULATION

Fibrinogen	3.1		(2.0-4.5) g/L
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BIOCHEMISTRY (Blood)

Sodium	138		(133-146) mmol/L
Potassium	4.9		(3.5-5.3) mmol/L
Urea	6.5		(2.5-7.8) mmol/L
Creatinine	83		(62-106) umol/L
eGFR	> 90		

Units are mL/min/1.73 m2.

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*Interpret with regard to UK CKD Guidelines.***BIOCHEMISTRY (Blood - continued)**

Glucose (Fasting)	4.5		(4.1-6.0)	mmol/L
HbA1c	34		(20-41)	mmol/mol
<i>Test performed at The Doctors Laboratory.</i>				
Calcium	2.51		(2.10-2.55)	mmol/L
Calcium (Corrected)	2.43		(2.10-2.55)	mmol/L
Inorganic Phosphate	1.26		(0.80-1.50)	mmol/L
Uric Acid	386		(200 - 430)	umol/L
Total Protein	74		(60-80)	g/L
Albumin	47		(35-50)	g/L
Globulin	27		(20-40)	g/L
Total Bilirubin	22	H	(< 21)	umol/L
Alkaline Phosphatase	55		(30-130)	IU/L
AST	34		(< 41)	IU/L
ALT	47	H	(< 41)	IU/L
Gamma GT	26		(8-61)	IU/L
LDH	181		(< 251)	U/L
Creatine Kinase	587	H	(40-320)	IU/L
Serum Iron	28.0		(5.8-34.5)	umol/L
UIBC	29.3		(22.3-61.7)	umol/L
Iron Binding Satn.	48.0		(20-50)	%
Ferritin	236		(30-400)	ng/mL
Cholesterol	5.0		(<5.0)	mmol/L
Triglycerides	1.13		(< 1.70)	mmol/L
HDL Cholesterol	1.3		(0.9-1.5)	mmol/L
LDL (Calculation)	3.2	H	(< 3.0)	mmol/L
HDL/Cholesterol Ratio	0.26		(> 0.25)	
Cholesterol/HDL Ratio	3.85		Ratio	
Non-HDL Cholesterol	3.7		mmol/L	
Apolipoprotein A1			(> 1.20)	g/L

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BIOCHEMISTRY (Blood - continued)

Apolipoprotein A1 result: 1.5 g/L
 Reference values: 1.10 - 2.05 g/L

*Please note: reference range updated by referral laboratory.
 An update to our laboratory system is in hand.
 On this occasion, please interpret the reported result with
 reference interval written directly below the result.*

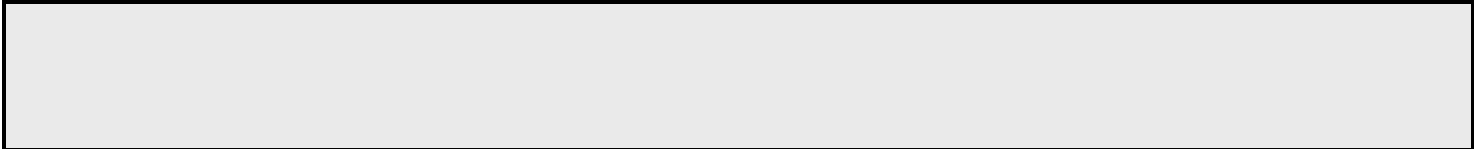
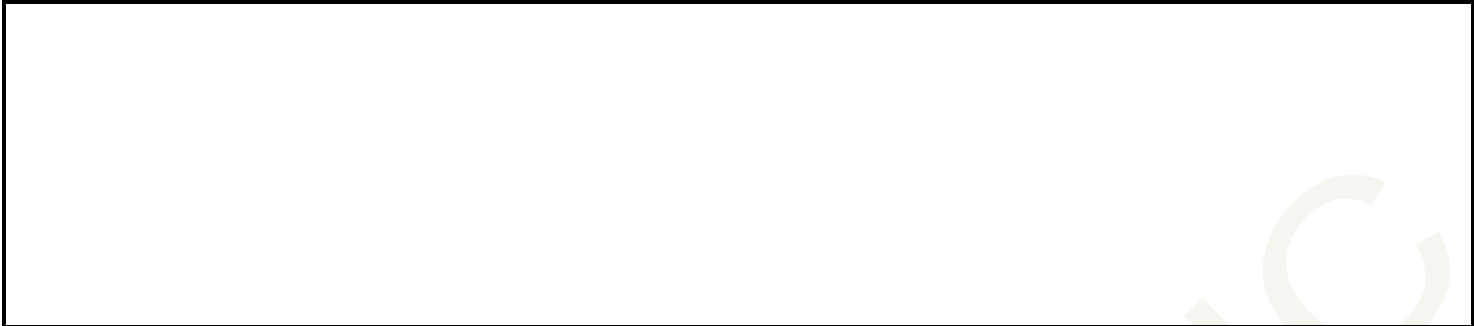
Apolipoprotein B	1.14	(0.66-1.33) g/L
Lipoprotein (a)	38	< 75 nmol/L

A continuous relationship exists between Lp(a) concentration and risk of atherosclerotic cardiovascular disease (ASCVD). An elevated result should be interpreted in the context of other risk factors and absolute global ASCVD risk, as standard risk measures (e.g. QRISK3) do not take Lp(a) into account.

Suggested adult risk thresholds from European Atherosclerosis Society consensus statement (Eur Heart J 2022;43:3925-46):

<75 nmol/L	<i>Rules out increased ASCVD risk attributable to Lp(a)</i>
75 - 125 nmol/L	<i>'Grey' zone. Consider presence of other risk factors and risk stratify including Lp(a) concentration</i>
>125 nmol/L	<i>Rules in increased ASCVD risk attributable to Lp(a)</i>

In children, an Lp(a) >75 nmol/L is associated with



Increased risk = \geq 225 nmol/min/mL

Note change in methodology, reporting ranges, interpretation and units from 13/02/24. Please note that results between current and previous methods are not comparable.

This is a non UKAS-accredited assay.

Homocysteine

9.5

(< 12) umol/L