

Name: [REDACTED]  
DOB | Age: [REDACTED]  
Gender: M



Report Produced by:  
The Doctors Laboratory

Lab Ref no.: [REDACTED]  
Sample Date: 21/06/2021 15:45  
HUM2N  
10 GROVE PARK

Received: 21/06/2021 21:19  
Hospital No.:  
Reference:

LONDON  
E11 2DL

Report Date: 22 June 2021 19:14:26

**HAEMATOLOGY**

HAEMOGLOBIN (g/L)	168	g/L	130 - 170
<b>HCT</b>	<b>* 0.503</b>		<b>0.37 - 0.50</b>
<b>RED CELL COUNT</b>	<b>* 5.93</b>	<b>x10<sup>12</sup>/L</b>	<b>4.40 - 5.80</b>
MCV	84.8	fL	80 - 99
MCH	28.3	pg	26.0 - 33.5
MCHC (g/L)	334	g/L	300 - 350
RDW	12.2		11.5 - 15.0
PLATELET COUNT	301	x10 <sup>9</sup> /L	150 - 400
MPV	10.0	fL	7 - 13
WHITE CELL COUNT	6.10	x10 <sup>9</sup> /L	3.0 - 10.0
Neutrophils	56.3% 3.43	x10 <sup>9</sup> /L	2.0 - 7.5
Lymphocytes	35.2% 2.15	x10 <sup>9</sup> /L	1.2 - 3.65
Monocytes	6.2% 0.38	x10 <sup>9</sup> /L	0.2 - 1.0
Eosinophils	2.0% 0.12	x10 <sup>9</sup> /L	0.0 - 0.4
Basophils	0.3% 0.02	x10 <sup>9</sup> /L	0.0 - 0.1

**BIOCHEMISTRY**

Active B12 Sample haemolysed.  
**Homocysteine** \* 16.53 umol/L 5.5 - 16.2

Please note adjusted reference intervals following change of methodology, effective 03/06/19. Elevated values may occur if correct sample collection procedures are not followed. EDTA or SERUM samples separated within 1Hr is recommended

SODIUM	137	mmol/L	135 - 145
POTASSIUM	Sample haemolysed.		
<b>CHLORIDE</b>	<b>* 97</b>	<b>mmol/L</b>	<b>98 - 107</b>
<b>BICARBONATE</b>	<b>* 30</b>	<b>mmol/l</b>	<b>22 - 29</b>
UREA	4.6	mmol/L	1.7 - 8.3
BLOOD UREA NITROGEN	12.88	mg/dL	4.76 - 23.24
BUN /Creat Ratio	14		6 - 18
CREATININE	82	umol/L	66 - 112
estimated GFR	>90	.	.

For UK guidelines:  
[www.renal.org/information-resources](http://www.renal.org/information-resources)

BILIRUBIN	14	umol/L	0 - 20
ALKALINE PHOSPHATASE	Sample haemolysed.		
ASPARTATE TRANSFERASE	Sample haemolysed.		
ALANINE TRANSFERASE	Sample haemolysed.		
GAMMA GT	Sample haemolysed.		
TOTAL PROTEIN	81	g/L	63 - 83
<b>ALBUMIN</b>	<b>* 52</b>	<b>g/L</b>	<b>34 - 50</b>
GLOBULIN	29	g/L	19 - 35
CALCIUM	2.42	mmol/L	2.20 - 2.60
Corrected Calcium	2.30	mmol/L	2.20 - 2.60

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PHOSPHATE	Sample haemolysed.		
URIC ACID	341	umol/L	266 - 474
FASTING BLOOD GLUCOSE	4.5	mmol/L	3.9 - 5.8
FASTING TRIGLYCERIDES	0.9	mmol/L	< 2.3
<b>FASTING CHOLESTEROL</b>	<b>* 5.2</b>	<b>mmol/L</b>	<b>Optimum &lt;5.0</b>
HDL CHOLESTEROL	1.2	mmol/L	0.9 - 1.5
HDL % of total	23	%	20 and over
<b>LDL CHOLESTEROL</b>	<b>* 3.6</b>	<b>mmol/L</b>	<b>Up to 3.0</b>
<b>Non-HDL Cholesterol</b>	<b>* 4.0</b>	<b>mmol/L</b>	<b>&lt; 3.8</b>
IRON	Sample haemolysed.		
T.I.B.C	Unable to calculate, sample haemolysed.		
TRANSFERRIN SATURATION	Unable to calculate, sample haemolysed.		
FERRITIN	174	ug/L	30 - 400
CRP - High sensitivity	0.8	mg/l	0.0 - 5.0
Haemoglobin A1c	4.5	%	4.0 - 6.0
HbA1c (mmol/mol)	25	mmol/mol	20 - 42
Red cell folate	643	nmol/L	285.4 - 1474.7
Creatinine (mg/dL)	0.93	mg/dL	0.75 - 1.27

#### ENDOCRINOLOGY

TOTAL THYROXINE (T4)	109	nmol/L	59 - 154
THYROID STIMULATING HORMONE	2.08	mIU/L	0.27 - 4.2
FREE THYROXINE	17.6	pmol/l	12.0 - 22.0
FREE T3	5.5	pmol/L	3.1 - 6.8
Thyroid peroxidase ab's	<9.0	IU/ml	0 - 34
	Method used for Anti-TPO: Roche Modular		
<b>PROGESTERONE</b>	<b>* 1.9</b>	<b>nmol/L</b>	<b>0.2 - 0.5</b>
TESTOSTERONE	18.0	nmol/L	7.6 - 31.4
	Reference Ranges apply to adults		
SEX HORMONE BINDING GLOB	45	nmol/L	16 - 55
<b>PROLACTIN</b>	<b>* 742</b>	<b>mIU/L</b>	<b>86 - 324</b>
	Prolactin elevated, macroprolactin has been reflexed. Further results to follow.		
17-Beta OESTRADIOL	124	pmol/L	< 192
D.H.E.A. Sulphate	10.8	umol/L	0.44 - 13.4
CORTISOL	436	nmol/l	

Note amendment to reference range 01/02/16 following recommendation from kit manufacturer. New reference range 6-10am: 133 to 537 nmol/L  
Midnight: <150 nmol/L

Time of sample.	1545		
25 OH Vitamin D	60	nmol/L	50 - 200

Interpretation of results:  
Deficient <25 nmol/L  
Insufficient 25 - 49 nmol/L  
Normal Range 50 - 200 nmol/L

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Thyroglobulin Antibody	Consider reducing dose	>200 nmol/L		
		<10.0	IU/mL	0 - 115
Fasting Insulin	Method used for Anti-Tg: Roche Modular Sample haemolysed.			

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