



9256



Surname : Clayton
Forename : Adam
Date of birth : 25/12/1983 (38y)
Sample Number: YRV-2208438
Sex : Male
Lab No : 1004762
Sample Dated : 21/08/2022 10:15 AM
Sample Received : 23/08/2022 10:14 AM
Result Reported : 23/08/2022 2:30 PM
Sample Type: V- Serum, EDTA,

Test	Patient Result	Normal Range	Units	Comment
Full Blood Count				
Haemoglobin	166	130 - 170	g/L	
Red Blood Cells	5.08	4.40 - 5.80	x10 ¹² /L	
Haematocrit	0.494	0.380 - 0.500	L/L	
Mean Cell Volume	97.2	81 - 98	fl	
Red Cell Distribution	H 15.6	11.5 - 14.4	%	
Mean Cell Haemoglobin	32.7	27.0 - 33.0	pg	
MCHC	337	300 - 350	g/L	
Platelets	248	150 - 400	x10 ⁹ /L	
MPV	10.20	7 - 13	fl	
White Blood Cells	Degenerated	3.0 - 10.0	x10 ⁹ /L	
Neutrophils	Degenerated	2.0 - 7.5	x10 ⁹ /L	
Lymphocytes	Degenerated	1.2 - 3.65	x10 ⁹ /L	
Monocytes	Degenerated	0.2 - 1.0	x10 ⁹ /L	
Eosinophils	Degenerated	0 - 0.4	x10 ⁹ /L	
Basophils	Degenerated	0 - 0.1	x10 ⁹ /L	
Film Report	Due to WBC Degeneration, unable to comment on film.			
Biochemistry				
Albumin	42.3	35 - 50	g/L	
Total Protein	72.1	60 - 80	g/L	
Globulin	29.8	19 - 35	g/L	
HbA1c-(IFCC)**	32	20 - <42 Non-diabetic 42 - <48 Prediabetes >= 48 Diabetes 48 - 59 Good control	mmol/mol	
CRP	0.74	<5.0	mg/L	
Iron	30.3	5.8 - 34.5	umol/L	
Ferritin	338.0	30 - 400	ug/L	
CK	H 500	39 - 308	U/L	New units
Kidney Function				
Sodium	143	133 - 146	mmol/L	
Urea	4.9	2.5 - 7.8	mmol/L	
Creatinine	100	59 - 104	umol/L	New range
eGFR(Caucasian Only)	77	>60 unless evidence of CKD	ml/min/1.73m2	
Liver Function				
ALT	35	<50	U/L	New units



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GGT	31	8 - 61	U/L	
Total Bilirubin	7.7	<24	umol/L	
ALP	63	30 - 130	IU/L	New Range
Bone Screen				
Uric Acid	297	200 - 430	umol/L	New range
Lipids				
Cholesterol	H 5.37	0 - 5.0	mmol/L	
HDL	1.45	>1.1	mmol/L	New range
Triglycerides	1.44	<1.7(Fasting)	mmol/L	
LDL	H 3.27	<3.0	mmol/L	
Chol:HDL ratio	3.70	<4.0	ratio	
Non HDL Cholesterol	3.92	<4	mmol/L	
Hormones				
FSH	L 0.5	1.5 - 12.4	IU/L	
LH	L 0.5	1.7 - 8.6	IU/L	
Cortisol (Random)	302.0	6am - 10am 166 - 507 4pm - 8pm 73.8 - 291	nmol/L	New range
Oestradiol	66	41 - 159	pmol/L	
Free-Testosterone(Calculated)	0.340	0.2 - 0.62	nmol/L	
SHBG	L 15	18.3 - 54.1	nmol/L	New range
Prolactin	246	86 - 324	mU/L	
DHEA-Sulphate	4.10	2.41 - 11.6	umol/L	
Progesterone	<0.159	<0.474	nmol/L	New range
Testosterone	11.80	8.64 - 29	nmol/L	New range
Thyroid Function				
TSH	0.78	0.27 - 4.20	mU/L	New range & unit
Free T4	15.9	12.0 - 22.0	pmol/L	
Free T3	4.01	3.1 - 6.8	pmol/L	New range
Markers				
PSA (Prostate)	0.580	0 - 4	ng/mL	New range & unit
Immunology				
Anti-Thyroidperoxidase abs	<9.0	<34	IU/mL	New units
Anti-Thyroglobulin Abs	12	<115	IU/mL	New units
Vitamins				



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Test	Patient Result	Normal Range	Units	Comment
Vitamin D (25 OH)	217	Optimal 75-200 Adequate 50-<75 Insufficient 25 -<50 Deficient <25	nmol/L	
B12-Active	82.6	37.5 - 150	pmol/L	New range
Serum Folate	17.90	8.83 - 60.8	nmol/L	