



9256



Surname : **Venn**
Forename : **Paula**
Date of birth : 12/11/1972 (49y)
Sample Number: YRV-220895
Sex : Female
Lab No : 1004748
Sample Dated : 21/08/2022 1:30 PM
Sample Received : 23/08/2022 10:09 AM
Result Reported : 23/08/2022 12:25 PM
Sample Type: V- Serum, EDTA,

Test	Patient Result	Normal Range	Units	Comment
Full Blood Count				
Haemoglobin	147	120 - 160	g/L	
Red Blood Cells	4.56	3.80 - 5.80	x10 ¹² /L	
Haematocrit	0.435	0.350 - 0.470	L/L	
Mean Cell Volume	95.4	81 - 98	fl	
Red Cell Distribution	12.8	11.5 - 14.4	%	
Mean Cell Haemoglobin	32.3	27.0 - 33.0	pg	
MCHC	339	300 - 350	g/L	
Platelets	201	150 - 400	x10 ⁹ /L	
MPV	11.50	7 - 13	fl	
White Blood Cells	4.1	3.0 - 10.0	x10 ⁹ /L	
Neutrophils	L 1.67	2.0 - 7.5	x10⁹/L	
Lymphocytes	2.05	1.2 - 3.65	x10 ⁹ /L	
Monocytes	0.21	0.2 - 1.0	x10 ⁹ /L	
Eosinophils	0.11	0 - 0.4	x10 ⁹ /L	
Basophils	0.06	0 - 0.1	x10 ⁹ /L	
Biochemistry				
Albumin	41.1	35 - 50	g/L	
Total Protein	67.7	60 - 80	g/L	
Globulin	26.6	19 - 35	g/L	
HbA1c-(IFCC)**	33	20 - <42 Non-diabetic 42 - <48 Prediabetes >= 48 Diabetes 48 - 59 Good control	mmol/mol	
CRP	0.78	<5.0	mg/L	
Iron	19.5	5.8 - 34.5	umol/L	
Ferritin	74.9	13 - 150	ug/L	
CK	52	26 - 192	U/L	New units
Kidney Function				
Sodium	140	133 - 146	mmol/L	
Urea	7.1	2.5 - 7.8	mmol/L	
Creatinine	62	45 - 84	umol/L	New range
eGFR(Caucasian Only)	94	>60 unless evidence of CKD	ml/min/1.73m ²	
Liver Function				
ALT	22	<35	U/L	New units
GGT	10	5 - 36	U/L	
Total Bilirubin	8.3	<21	umol/L	



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ALP	64	30 - 130	IU/L	New Range
Bone Screen				
Uric Acid	198	140 - 360	umol/L	New range
Lipids				
Cholesterol	3.41	0 - 5.0	mmol/L	New range
HDL	1.27	>1.2	mmol/L	
Triglycerides	0.80	<1.7(Fasting)	mmol/L	
LDL	1.78	<3.0	mmol/L	
Chol:HDL ratio	2.69	<4.0	ratio	
Non HDL Cholesterol	2.14	<4	mmol/L	
Hormones				
FSH	6.7	Follicular 3.5-12.5 Ovulation 4.7-21.5 Luteal 1.7-7.7 Postmenopause 25.8-134.8	IU/L	New range
LH	8.9	Follicular 2.4-12.6 Ovulation 14.0-95.6 Luteal 1.0-11.4 Postmenopause 7.7-58.5	IU/L	
Cortisol (Random)	217.0	6am - 10am 166 - 507 4pm - 8pm 73.8 - 291	nmol/L	
Oestradiol	505	Follicular 45.4 - 854 Ovulation 151 - 1461 Luteal 82 - 1251 Postmenopause <100	pmol/L	
Free-Testosterone(Calculated)	0.006	0.003 - 0.03	nmol/L	
SHBG	74	32.4 - 128	nmol/L	
Prolactin	266	102 - 496	mU/L	New range
DHEA-Sulphate	2.18	0.96 - 6.95	umol/L	
Progesterone	28.2	Follicular 0.181 - 2.84 Periovulatory 0.385 - 38.1 Luteal 5.82 - 75.9 Postmenopause <0.401	nmol/L	
Testosterone	0.60	0.29 - 1.67	nmol/L	
Thyroid Function				
TSH	1.39	0.27 - 4.20	mU/L	New range & unit
Free T4	17.2	12.0 - 22.0	pmol/L	



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Free T3	3.27	3.1 - 6.8	pmol/L	New range
Markers				
PSA (Prostate)	0.010		ng/mL	
Immunology				
Anti-Thyroidperoxidase abs	<9.0	<34	IU/mL	New units
Anti-Thyroglobulin Abs	11	<115	IU/mL	New units
Vitamins				
Vitamin D (25 OH)	79	Optimal 75-200 Adequate 50-<75 Insufficient 25 -<50 Deficient <25	nmol/L	
B12-Active	85.8	37.5 - 150	pmol/L	New range
Serum Folate	15.60	8.83 - 60.8	nmol/L	