

Name:
Biological Sex: Female
Date of Birth:
Order Number:
Clinic: Steve Grant Health
Requested By: STEVE GRANT HEALTH

Sample Collection Date:
Date of Receipt:
Report Approved Date:
Report Status: Final
Report Generated On:

Panels

RDX_054_F

Additional Tests

Analyte	Result	Ref Low	Ref High	Low / High	Sample Type	Result Caveat	Results Status
Full Blood Count							
Haemoglobin	129.0 g/l	115.0	165.0		Blood		Final
Haematocrit	40.200 %	37.000	47.000		Blood		Final
Mean Cell Haemoglobin (MCH)	29.0 pg	27.0	32.0		Blood		Final
Mean Cell Haemoglobin Concentration (MCHC)	321.0 g/l	320.0	360.0		Blood		Final
Red Blood Cell Mean Cell Volume (MCV)	90.3 fl	76.0	100.0		Blood		Final
Red Blood Cell Count	4.45 10 ¹² /l	3.80	5.80		Blood		Final
Basophil Count	0.11 10⁹/l	0.01	0.10	H	Blood		Final
Eosinophil Count	0.35 10 ⁹ /l	0.04	0.40		Blood		Final
Lymphocyte Count	1.42 10 ⁹ /l	1.00	3.50		Blood		Final
Monocyte Count	0.82 10⁹/l	0.20	0.80	H	Blood		Final
Neutrophil Count	3.96 10 ⁹ /l	2.00	7.50		Blood		Final
White Blood Cell Count	6.66 10 ⁹ /l	4.00	10.00		Blood		Final
Platelet Count	291 10 ⁹ /l	150	450		Blood		Final
Iron Status							
Iron	14.2 µmol/l	5.8	34.5		Serum		Final
Ferritin	75.07 µg/l	9.999	120		Serum		Final
Total Iron Binding Capacity (TIBC)	75.0 µmol/l	44.8	80.6		Serum		Final
Transferrin	2.83 g/l	2.00	3.80		Serum		Final
Transferrin Saturation	18.9 %	15.0	50.0		Serum		Final
Heart Health							
Total Cholesterol	4.95 mmol/l		5.00		Serum		Final
LDL Cholesterol	3.33 mmol/l	1.40	3.00	H	Serum		Final
HDL Cholesterol	1.62 mmol/l	1.55			Serum		Final
Total Cholesterol / HDL Cholesterol Ratio	3.06 %		5.00		Serum		Final
Non HDL Cholesterol	3.33 mmol/l		4.00		Serum		Final
Triglycerides	0.92 mmol/l		2.30		Serum		Final
Apolipoprotein A-I	180.1 mg/dl	91.0	224.0		Serum		Final
Apolipoprotein B	84 mg/dl	64	182		Serum		Final
Small LDL Cholesterol	22.89 mg/dl		64.40		Serum		Final
Lipoprotein (a)	171.9 nmol/l		75.0	H	Serum		Final
High Sensitivity C-Reactive Protein (hsCRP)	2.76 mg/l		1.00	H	Serum		Final
Diabetes Health							
Glucose	4.86 mmol/l	4.00	6.00		Blood		Final
HbA1c	36.81 mmol/mol		42.00		Blood		Final
Insulin	64.9 pmol/l	17.8	173.0		Serum		Final
C-peptide	2.09 ng/ml	1.10	4.40		Serum		Final
Metabolic Syndrome							
Adiponectin	4.62 µg/ml	3.81	14.10		Serum		Final
HbA1c	36.81 mmol/mol		42.00		Blood		Final

This report has been generated on behalf of Randox Health. All laboratory testing is referred to RCLS, UKAS Accredited Lab 9329. This report shall not be reproduced except in full without approval of the issuing testing site. All results apply to the samples as received. The test dates of all results will be between the collection date and report date stated within this report.

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<u>Metabolic Syndrome</u>							
Insulin	64.9 pmol/l	17.8	173.0		Serum		Final
C-peptide	2.09 ng/ml	1.10	4.40		Serum		Final
Leptin	3.2 µg/l		15.4		Serum		Final
Resistin	7.76 ng/ml	2.85	11.60		Serum		Final
High Sensitivity C-Reactive Protein (hsCRP)	2.76 mg/l		1.00	H	Serum		Final
<u>Kidney Health</u>							
Creatinine	84.0 µmol/l	49.0	90.0		Serum		Final
Estimated Glomerular Filtration Rate (eGFR)	61 ml/min/1.7	60			Serum		Final
Cystatin C	1.21 mg/l	0.57	1.05	H	Serum		Final
Calcium (adjusted)	2.52 mmol/l	2.20	2.60		Serum		Final
Chloride	103.9 mmol/l	95.0	108.0		Serum		Final
Magnesium	0.870 mmol/l	0.700	1.100		Serum		Final
Phosphate	1.200 mmol/l	0.800	1.500		Serum		Final
Potassium	4.48 mmol/l	3.50	5.30		Serum		Final
Sodium	141.6 mmol/l	133.0	146.0		Serum		Final
Urea	8.63 mmol/l	2.50	7.80	H	Serum		Final
Uric Acid	376.2 µmol/l	140.0	360.0	H	Serum		Final
<u>Urinalysis</u>							
Bilirubin (Urine)	Negative mg/dl				Urine		Final
Glucose (Urine)	Negative mg/dl				Urine		Final
Ketones (Urine)	Negative mg/dl				Urine		Final
Nitrite (Urine)	Positive mg/dl				Urine		Final
pH (Urine)	5.5 ph	5.0	7.5		Urine		Final
Protein (Urine)	Negative mg/dl				Urine		Final
Red Blood Cells (Urine)	Negative rbc/µl				Urine		Final
Urobilinogen (Urine)	0.2 mg/dl				Urine		Final
White Blood Cells (Urine)	Small leuk/µl				Urine		Final
<u>Liver Health</u>							
Alanine Aminotransferase (ALT)	24.0 u/l		55.0		Serum		Final
Alkaline Phosphatase (ALP)	53 u/l	30	120		Serum		Final
Aspartate Aminotransferase (AST)	22.5 u/l		32.0		Serum		Final
Gamma-Glutamyltransferase (GGT)	25.0 u/l	8.0	42.0		Serum		Final
Total Bilirubin	7.69 µmol/l		21.00		Serum		Final
Albumin	43.4 g/l	35.0	50.0		Serum		Final
Ferritin	75.07 µg/l	9.999	120		Serum		Final
<u>Nutritional Health</u>							
Albumin	43.4 g/l	35.0	50.0		Serum		Final
Calcium (adjusted)	2.52 mmol/l	2.20	2.60		Serum		Final
Magnesium	0.870 mmol/l	0.700	1.100		Serum		Final
Iron	14.2 µmol/l	5.8	34.5		Serum		Final
Folic acid	9.5 µg/l	3.0	26.8		Serum		Final
Vitamin B12	342 ng/l	197	771		Serum		Final

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<u>Nutritional Health</u>							
Vitamin D	90 nmol/l	50	375		Serum		Final
<u>Infection & Inflammation</u>							
C-Reactive Protein (CRP)	2.76 mg/l		5.00		Serum		Final
<u>Tumour Associated Markers</u>							
Cancer Antigen 125 (CA 125)	4 ku/l		35		Serum		Final
<u>Thyroid Health</u>							
Thyroid Stimulating Hormone (TSH)	2.010 miu/l	0.350	5.500		Serum		Final
Free Thyroxine (FT4)	16.70 pmol/l	11.90	21.60		Serum		Final
Free Tri-iodothyronine (FT3)	3.64 pmol/l	3.10	6.80		Serum		Final
Anti-Thyroglobulin Antibody (Anti-Tg)	22.3 iu/ml		115		Serum		Final
Anti-Thyroid Peroxidase Antibody (Anti-TPO)	15.1 ku/l		34		Serum		Final
<u>Hormonal Health</u>							
Follicle Stimulating Hormone	40.20 iu_l		134.80		Serum		Final
Oestradiol	211.0 pmol/l		1461.0		Serum		Final
Luteinising Hormone	11.2 iu_l	1.0	95.6		Serum		Final
Progesterone	<0.16 nmol/l		46.30		Serum		Final
Prolactin	151 miu/l	102	496		Serum		Final
Testosterone	<0.087 nmol/l	0.100	1.420	L	Serum		Final
Sex Hormone Binding Globulin	71.50 nmol/l	27.10	128.00		Serum		Final
Free Androgen Index	<0.12 %	0.19	3.63	L	Serum		Final

- End of Report -

Result Colour Key: Results in blue with L in the In Range column fall below the Ref Low range
 Results in red with H in the In Range column fall above the Ref High range