

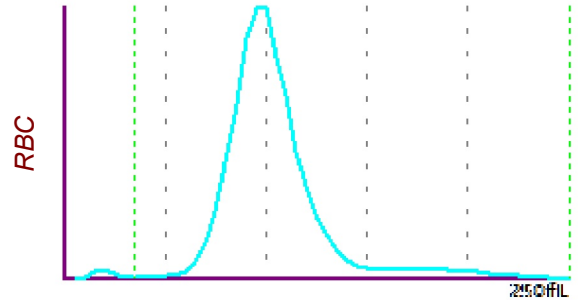


FINAL REPORT

PID:
 Sample Date: **(Unknown)** Sample: Received: Report:
 WHOLE BLOOD (EDTA)

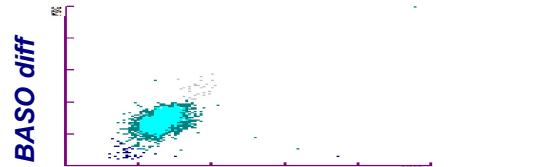
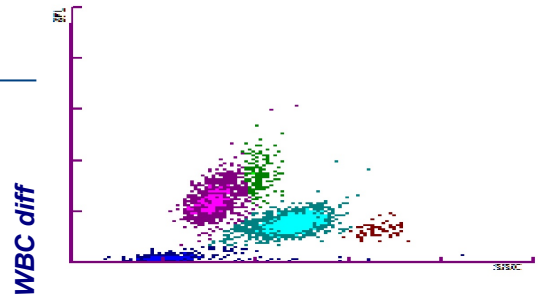
FULL BLOOD COUNT

RED BLOOD CELLS	Result	Reference Intervals
RBC	: 4.55 10 ¹² /L	3.80 - 5.29
HGB	: 135 g/L	112 - 154
HCT	: 0.426 L/L	0.338 - 0.454
MCV	: 93.9 fL	79.3 - 95.6
MCH	: 29.7 pg/cell	26.3 - 32.5
MCHC	: 317 g/L	318 - 354
RDW-SD	: 48.6 fl	35.4 - 45.5
RDW-CV	: 14.7 %	11.5 - 15.0

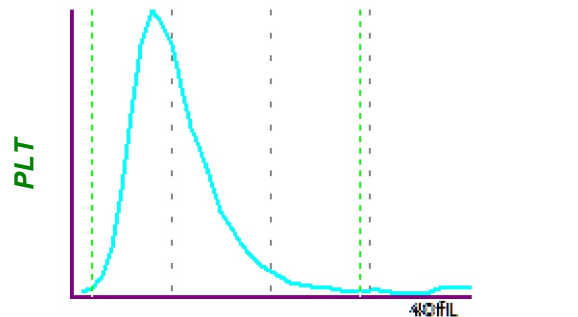


WHITE BLOOD CELLS	Result	Reference Intervals
WBC	: 4.83 10 ⁹ /L	3.00 - 10.00

WBC Differential	R.I.	#	R.I.
NEUT%	: 76.8 %	3.71 10 ⁹ /L	2.00 - 7.50
LYM%	: 14.1 %	0.68 10 ⁹ /L	1.20 - 3.65
MONO%	: 6.2 %	0.30 10 ⁹ /L	0.20 - 1.00
EOS%	: 2.5 %	0.12 10 ⁹ /L	0.00 - 0.40
BASO%	: 0.4 %	0.02 10 ⁹ /L	0.00 - 0.10



PLATELETS	Result	Reference Intervals
PLT	: 291 10 ⁹ /L	150 - 400
MPV	: 9.7 fL	7.0 - 13.0
PDW	: 11.3 fL	9.2 - 16.7
PCT	: 0.28 %	0.15 - 0.35
P-LCR	: 23.2 %	16.0 - 41.3



REMARKS





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BIOCHEMISTRY

Test	Result	Reference Intervals	
Glucose	: 5.28 mmol/L	3.90 - 5.50	Serum
Glycated hemoglobin (HbA1c)	: 5.47 %	4.80 - 5.90	Whole Blood
Iron	: 12.4 umol/L	5.8 - 34.5	Serum
Total cholesterol	: * 6.01 mmol/L	< 5.17	Serum
Triglycerides	: 1.11 mmol/L	< 1.71	Serum
HDL-cholesterol	: 1.47 mmol/L	1.03 - 1.55	Serum
LDL-cholesterol (calculated)	: * 4.03 mmol/L	< 2.58	
VLDL (calculated)	: 0.51 mmol/L	< 0.78	
TC/HDL Ratio	: 4.1	Prediction of Coronary Heart Disease: Low risk: <3.4 Average risk: 3.4-4.5 Moderate risk: 4.6-6.5 High risk: >6.5	
Alkaline phosphatase (ALP)	: 91 U/L	35 - 104	Serum
Aspartate aminotransferase (AST)	: 14 U/L	< 32	Serum
Alanine aminotransferase (ALT)	: 12 U/L	< 33	Serum
Gamma-glutamyltransferase (GGT)	: 7 U/L	5 - 36	Serum
Total protein	: 68.1 g/L	64.0 - 83.0	Serum
Albumin	: 44.4 g/L	35.0 - 52.0	Serum
Globulin (calculated)	: 23.7 g/L	19.0 - 35.0	
Immunoglobulin A (IgA)	: 2.81 g/L	0.70 - 4.00	Serum
Immunoglobulin G (IgG)	: 12.51 g/L	7.00 - 16.00	Serum
Immunoglobulin M (IgM)	: 0.55 g/L	0.40 - 2.30	Serum
Total bilirubin	: 4.4 umol/L	< 15.0	Serum
Direct bilirubin	: 1.8 umol/L	< 5.0	Serum
Indirect bilirubin (calculated)	: 2.6 umol/L	< 10.0	
Sodium	: 137 mmol/L	136 - 145	Serum
Potassium	: 4.0 mmol/L	3.5 - 5.1	Serum
Chloride	: 104 mmol/L	98 - 107	Serum





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Test	Result	Reference Intervals	
Urea	: 3.5 mmol/L	3.5 - 7.2	Serum
Creatinine	: 53 umol/L	44 - 80	Serum
eGFR (MDRD)	: 111 mL/min/1.73m ²	>90 Please refer to www.renal.org	
Uric acid	: 330 umol/L	143 - 339	Serum
Calcium	: 2.24 mmol/L	2.15 - 2.50	Serum
Phosphate (inorganic)	: 1.01 mmol/L	0.81 - 1.45	Serum
Magnesium	: 0.80 mmol/L	0.66 - 1.07	Serum
Creatine kinase (CK)	: 93 U/L	< 170	Serum
Alfa-amylase	: 34 U/L	28 - 100	Serum
Lipase	: 21 U/L	13 - 60	Serum
Lactate dehydrogenase (LDH)	: 186 U/L	135 - 214	Serum
C-reactive protein high-sensitivity (hsCRP)	: 1.14 mg/L	<5.0	Serum
		CVD relative risk: <1.0 low 1.0-3.0 average >3.0 high	
Bicarbonate	: * 18.9 mmol/L	22.0 - 29.0	Serum
Anion gap (calculated)	: 18 mmol/L		





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ENDOCRINOLOGY

Test	Result	Reference Intervals	
Thyroid-stimulating hormone (TSH)	: * 4.300 mIU/L	0.270 - 4.200	Serum
Free triiodothyronine (fT3)	: * 3.61 pmol/L	3.74 - 6.11	Serum
Free thyroxine (fT4)	: 16.0 pmol/L	11.5 - 19.6	Serum
Triiodothyronine (T3)	: 1.47 nmol/L	1.30 - 3.10	Serum
Thyroxine (T4)	: 80.1 nmol/L	66.0 - 181.0	Serum
Thyroid peroxidase antibodies (anti-TPO)	: * 56 IU/mL	< 34	Serum
Thyroglobulin antibodies (anti-TG)	: * 260 IU/mL	< 115	Serum
Dehydroepiandrosterone sulfate (DHEA-S)	: 68.3 µg/dL	35.4 - 256.0	Serum
C-peptide	: 2.1 ng/mL	1.1 - 4.4	Serum
Insulin	: 7.9 µU/mL	2.6 - 24.9	Serum
Vitamin D (25-OH)	: 42.3 ng/mL	Deficiency <=20 Insufficiency 21-29 Desired level =>30	Serum
Reverse triiodothyronine (rT3)	: 0.50 ng/mL	0.31 - 0.95	Serum
T-Uptake	: 0.973 TBI	0.800 - 1.300	Serum
Homocysteine	: 6.5 umol/L	0 - 15	Serum
		Pregnancy: <10	
		Folate nonsupplemented.	
Active B12	: * 198.7 pmol/L	25.1 - 165.0	Serum





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HAEMATOLOGY

Test	Result	Reference Intervals	
ESR	: * 32 mm/h	< 30	Whole Blood
UIBC	: 41.5 umol/L	24.2 - 70.1	Serum
TIBC (calculated)	: 53.9 umol/L	41.0 - 77.0	Serum
Transferrin	: 2.31 g/L	2.00 - 3.60	Serum
Transferrin saturation (calculated)	: 23.0 %	20.0 - 50.0	Serum
Vitamin B12	: * 928 pg/mL	197 - 771	Serum
Folate	: 7.1 ng/mL	3.9 - 26.8	Serum
Ferritin	: 104.1 ng/mL	15.0 - 150.0	Serum
Fibrinogen	: 3.02 g/L	2.00 - 4.00	Plasma





Medical Diagnosis
 Clinical Laboratories
 Unit 12 Central Business Centre
 London, NW10 0UR
 Tel. 0208 45 19 373

Patient : **Sample Report BP016**
 Date : D.O.B. : Order No :
 Gender : **Female** Doctor : **Regenerus**
 Requester : **REGENERUS LABORATORIES LIMITED**

02037500870
 Aero 14, Kings Mill Lane, RH1 5YP Redhill, Surrey

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IMMUNOLOGY

<i>Test</i>		<i>Result</i>	<i>Reference Intervals</i>	
Immunoglobulin E (IgE)	:	25 IU/mL	< 100	Serum





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SPECIAL PATHOLOGY

<i>Test</i>	<i>Result</i>	<i>Reference Intervals</i>
Reticulocytes %	: 2.03 %	0.45 - 2.42 Whole Blood
Reticulocytes #	: 90.5 10 ⁹ /L	19.6 - 101.9
Copper	: 122 ug/dL	adults: 80-155 Serum pregnancy 3rd trimester: 120-300 0-6 months: 20-70
Selenium	: 9.1 ug/dL	4.6 - 14.3 Serum

Results from referral laboratory.

