



FINAL REPORT

PID:

Sample Date: **14/12/2022 (14:10)**

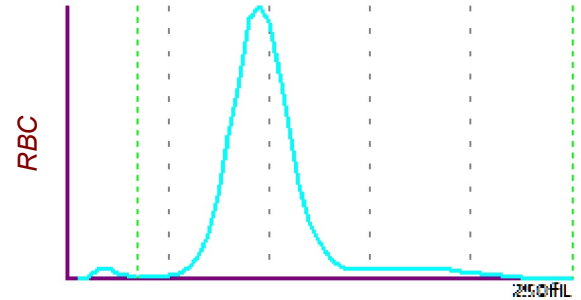
Received: **15/12/2022 (14:10)**

Report: **15/12/2022 (14:55)**

Sample: **WHOLE BLOOD (EDTA)**

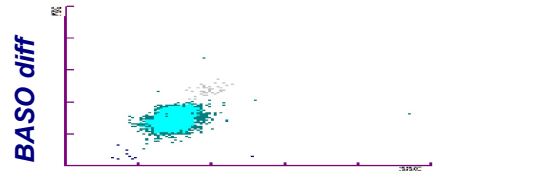
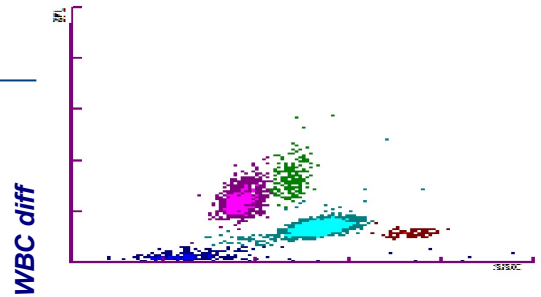
FULL BLOOD COUNT

RED BLOOD CELLS	Result	Reference Intervals
RBC	: 4.73 10 ¹² /L	3.80 - 5.29
HGB	: 139 g/L	112 - 154
HCT	: 0.426 L/L	0.338 - 0.454
MCV	: 90.1 fL	79.3 - 95.6
MCH	: 29.4 pg/cell	26.3 - 32.5
MCHC	: 326 g/L	318 - 354
RDW-SD	: 45.2 fl	35.4 - 45.5
RDW-CV	: 14.0 %	11.5 - 15.0

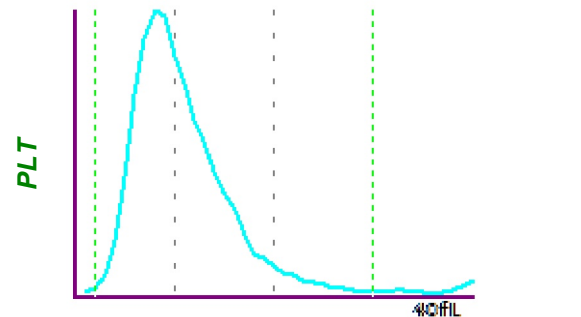


WHITE BLOOD CELLS	Result	Reference Intervals
WBC	: 6.36 10 ⁹ /L	3.00 - 10.00

WBC Differential	R.I.	#	R.I.
NEUT%	: 69.0 %	4.39 10 ⁹ /L	2.00 - 7.50
LYM%	: 22.8 %	1.45 10 ⁹ /L	1.20 - 3.65
MONO%	: 5.3 %	0.34 10 ⁹ /L	0.20 - 1.00
EOS%	: 2.4 %	0.15 10 ⁹ /L	0.00 - 0.40
BASO%	: 0.5 %	0.03 10 ⁹ /L	0.00 - 0.10



PLATELETS	Result	Reference Intervals
PLT	: 324 10 ⁹ /L	150 - 400
MPV	: 10.1 fl	7.0 - 13.0
PDW	: 12.2 fl	9.2 - 16.7
PCT	: 0.33 %	0.15 - 0.35
P-LCR	: 26.6 %	16.0 - 41.3



REMARKS

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BIOCHEMISTRY

Test	Result	Reference Intervals	
Glucose	: * 5.59 mmol/L	3.90 - 5.50	Serum
* Glycated hemoglobin (HbA1c)	: 5.41 %	4.80 - 5.90	Whole Blood
Iron	: 13.1 umol/L	5.8 - 34.5	Serum
Total cholesterol	: * 5.90 mmol/L	< 5.17	Serum
Triglycerides	: 0.78 mmol/L	< 1.71	Serum
HDL-cholesterol	: 1.48 mmol/L	1.03 - 1.55	Serum
* LDL-cholesterol (calculated)	: * 4.06 mmol/L	< 2.58	
* VLDL (calculated)	: 0.36 mmol/L	< 0.78	
* TC/HDL Ratio	: 4.0	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)	: 51 U/L	35 - 104	Serum
Aspartate aminotransferase (AST)	: 22 U/L	< 32	Serum
Alanine aminotransferase (ALT)	: 18 U/L	< 33	Serum
Gamma-glutamyltransferase (GGT)	: 8 U/L	5 - 36	Serum
Total protein	: 67.1 g/L	64.0 - 83.0	Serum
Albumin	: 46.5 g/L	35.0 - 52.0	Serum
* Globulin (calculated)	: 20.6 g/L	19.0 - 35.0	
* Immunoglobulin A (IgA)	: 1.28 g/L	0.70 - 4.00	Serum
* Immunoglobulin G (IgG)	: 9.34 g/L	7.00 - 16.00	Serum
* Immunoglobulin M (IgM)	: 1.11 g/L	0.40 - 2.30	Serum
Total bilirubin	: 4.7 umol/L	< 15.0	Serum
Direct bilirubin	: 2.2 umol/L	< 5.0	Serum
* Indirect bilirubin (calculated)	: 2.5 umol/L	< 10.0	
Sodium	: 141 mmol/L	136 - 145	Serum
Potassium	: 4.4 mmol/L	3.5 - 5.1	Serum

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BIOCHEMISTRY

Test	Result	Reference Intervals	
Chloride	: 104 mmol/L	98 - 107	Serum
Urea	: 4.8 mmol/L	3.5 - 7.2	Serum
Creatinine	: * 81 umol/L	44 - 80	Serum
* eGFR (MDRD)	: * 65 mL/min/1.73m ²	>90 Please refer to www.renal.org	
Uric acid	: * 352 umol/L	143 - 339	Serum
The critical value for ante-natal indications only: >340			
Calcium	: 2.30 mmol/L	2.20 - 2.55	Serum
Phosphate (inorganic)	: 1.20 mmol/L	0.81 - 1.45	Serum
Magnesium	: 0.82 mmol/L	0.66 - 0.99	Serum
Creatine kinase (CK)	: 125 U/L	< 170	Serum
Alfa-amylase	: * 110 U/L	28 - 100	Serum
Lipase	: 38 U/L	13 - 60	Serum
Lactate dehydrogenase (LDH)	: 168 U/L	135 - 214	Serum
* C-reactive protein high-sensitivity (hsCRP)	: 0.50 mg/L	<5.0	Serum
CVD relative risk: <1.0 low 1.0-3.0 average >3.0 high			
Bicarbonate	: 26.6 mmol/L	22.0 - 29.0	Serum
* Anion gap (calculated)	: 15 mmol/L		

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ENDOCRINOLOGY

Test	Result	Reference Intervals	
Thyroid-stimulating hormone (TSH)	: 2.210 mIU/L	0.270 - 4.200	Serum
Free triiodothyronine (fT3)	: 4.28 pmol/L	3.74 - 6.11	Serum
Free thyroxine (fT4)	: 18.9 pmol/L	11.5 - 19.6	Serum
Triiodothyronine (T3)	: 1.74 nmol/L	1.30 - 3.10	Serum
Thyroxine (T4)	: 129.6 nmol/L	66.0 - 181.0	Serum
Thyroid peroxidase antibodies (anti-TPO)	: 11 IU/mL	< 34	Serum
Thyroglobulin antibodies (anti-TG)	: 12 IU/mL	< 115	Serum
C-peptide	: 3.0 ng/mL	1.1 - 4.4	Serum
Insulin	: 7.9 µU/mL	2.6 - 24.9	Serum
Vitamin D (25-OH)	: 63.2 ng/mL	Deficiency <=20 Insufficiency 21-29 Desired level =>30	Serum
* Reverse triiodothyronine (rT3)	: 0.22 ng/mL	0.12 - 0.35	Serum
* T-Uptake	: 1.010 TBI	0.800 - 1.300	Serum
* Homocysteine	: 8.9 umol/L	0 - 20	Serum

Folate nonsupplemented.

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HAEMATOLOGY

Test	Result	Reference Intervals	
* ESR	: 23 mm/h	< 30	Whole Blood
* UIBC	: 43.3 umol/L	24.2 - 70.1	Serum
* TIBC (calculated)	: 56.4 umol/L	41.0 - 77.0	Serum
* Transferrin	: 2.45 g/L	2.00 - 3.60	Serum
* Transferrin saturation (calculated)	: 23.2 %	20.0 - 50.0	Serum
* Vitamin B12	: 638 pg/mL	197 - 771	Serum
* Folate	: >20.0 ng/mL	3.9 - 26.8	Serum
Ferritin	: 71.4 ng/mL	15.0 - 150.0	Serum
* Fibrinogen	: 3.97 g/L	2.00 - 4.00	Plasma

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

Patient : **BP011**
 Date : **15-12-2022** D.O.B. : **29-01-1955**
 Order No : **xxxxx** Gender : **Female**
 Doctor : **Regenerus**
 Requester : **REGENERUS LABORATORIES LIMITED**
 02037500870
 Aero 14, Kings Mill Lane, RH1 5YP Redhill, Surrey

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Report: **15/12/2022 (15:38)**

IMMUNOLOGY

<i>Test</i>	<i>Result</i>	<i>Reference Intervals</i>	
* Immunoglobulin E (IgE)	: 15 IU/mL	< 100	Serum

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