

Requested for: BLACK, NICOLE
Address: 13 HARCOURT RD, BORONIA, VIC 3155
DOB: 04/08/1976 **Sex:** F
Medicare no.: 32504352022 **Phone no.:**
Referred by: DR CONCEPCION 241819EH **Addressee:** Dr Sarah Concepcion
Requested on: 15/08/2023 **Performed on:** 19/08/2023 08:10 am
Request ref.: **Lab ref.:** 23-46979251
Lab: DOREVITCH PATHOLOGY **Lab test ref.:** FBE-0
 **FULL BLOOD EXAMINATION (FBE)**

FULL BLOOD EXAMINATION

HB : 126 g/L	(115-165)	WHITE CELL COUNT:	5.2 (4.0-11.0)
PCV: 0.39 L/L	(0.37-0.47)	Neutrophils:	61% 3.2 (2.0-8.0)
RCC: 4.28 x10 ¹² /L	(3.80-5.80)	Lymphocytes:	27% 1.4 (1.0-4.0)
MCV: 91 fL	(80-96)	Monocytes :	7% 0.4 (0.0-1.0)
MCH: 29 pg	(27-32)	Eosinophils:	4% 0.2 (0.0-0.5)
MCHC 322 g/L	(320-360)	Basophils :	1% 0.1 (0.0-0.2)
RDW: 13.0 %	(11.0-16.0)		
		PLATELETS :	360 (150-450)

COMMENT: Red cells, white cells and platelets within normal limits.

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 **EXTRACTABLE NUCLEAR ANTIG (ENA)**

AUTOANTIBODIES : EXTRACTABLE NUCLEAR ANTIGENS (SERUM)

ELISA Test: Negative

Anti (U1) RNP : Negative
Anti Sm : Negative
Anti SSA (Ro) : Negative
Anti Ro52 : Negative
Anti SSB (La) : Negative
Anti Scl 70 : Negative
Anti PMScl : Negative
Anti Jol : Negative
Anti PCNA : Negative
Anti Ribosomal-P : Negative

Patients are advised to contact their doctor to discuss the clinical significance of these results. For clinicians who require further interpretation or have queries about the above result(s) please contact the immunopathologist on (03) 9244 0347.

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 **ANTINUCLEAR ANTIBODIES (ANA)**

ANTINUCLEAR ANTIBODIES (SERUM)

ANA (HEp-2 Cells) : Negative

Please note method change to AESKU Hep-2 substrate, effective (01/12/15).
This substrate does not allow for the differentiation of SSA(Ro)
antibodies. Testing for ENA antibodies is advised if Sjogren's Syndrome
is suspected.

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🔍 ESR (ESU)

ERYTHROCYTE SEDIMENTATION RATE (BLOOD)
ESR (Westergren): 28 mm/hr (< 20) *

The ESR is mildly elevated.

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 MASTER THROMBOTIC ASSAYS (TBM)

LUPUS ANTICOAGULANT TEST (Plasma)

			Ref.Range
Prothrombin Time :	10.1	secs	(10.0-14.0)
APTT :	30	secs	(24-34)
LA Screen Ratio :	1.0		(< 1.2)

Comment: Lupus Anticoagulant: NOT detected.

Please note the Reference Range for APTT has been changed as of 11/05/2020

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 RHEUMATOID FACTOR (SERUM) (RA)

RHEUMATOID FACTOR

Serum Rheumatoid Factor :	< 10 IU/mL	Ref.Range (< 14)
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Method: Immunoturbidimetric quantification of Rheumatoid Factors.

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C-REACTIVE PROTEIN (CRP)

SERUM C-REACTIVE PROTEIN (CRP)

Date	Lab. No.	CRP	Ref Range (0-10)
22/06/23	45435817	18	*
19/08/23	46979251	11 mg/L	*

46979251 - Borderline CRP suggests mild or resolving inflammation.

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GLUCOSE SERUM SPECIMEN (GS)

SERUM GLUCOSE			
Fasting Status	Specimen	Result	Ref.Range
Fasting	8:10 AM	4.9 mmol/L	(4.0-6.0)

Note (1): Glucose reference ranges: Fasting 4.0-6.0, Random 4.0-7.8.
 Consider further investigation including glucose tolerance test
 in people with fasting glucose 5.5-6.9 or random 7.8-11.0 mmol/L

Pregnancy(gestational diabetes screening): Normal fasting < 5.1 mmol/L

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 THYROID FUNCTION TEST (TFT)

THYROID FUNCTION TESTS (SERUM)

	Ref.Range
Thyroid Stimulating Hormone (TSH) :	1.34 mIU/L (0.50-4.00)

Normal TSH is consistent with normal thyroid function.
Note that TSH should NOT be used to adjust thyroxine treatment in people with pituitary disease.
Medical professionals: Please contact a pathologist if required on (03) 9244 0444.

Method: Siemens Immunoassay

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LIPID STUDIES (LIP)

SERUM/PLASMA LIPID STUDIES - Fasting

Total Chol:	5.5 mmol/L
Triglyceride:	1.0 mmol/L
HDL - C:	1.4 mmol/L
LDL - C:	3.6 mmol/L
NON HDL - C:	4.1 mmol/L
Chol/HDL Ratio:	3.9

Therapeutic targets vary depending on the patient's cardiovascular risk profile.

	T.Chol	Trig	HDL-C	LDL-C	Non HDL-C
Primary Prevention:	<4.0	<2.0	>=1.0	<2.0	<2.5
Secondary Prevention:		<2.0	>=1.0	<1.8	<2.5

National Vascular Disease Prevention Alliance Guidelines 2012.
<http://strokefoundation.com.au>

National Heart Foundation Guidelines 2012.
<http://www.heartfoundation.org.au>

Note: The Chol/HDL ratio reflects changes in VLDL, LDL and HDL, with high values indicating an increased risk of atherosclerosis.

Target values < 3.5 are sometimes recommended for people with known vascular disease or others at high risk.

Target LDL is less than 2.0 mmol/L in people with

- A personal or strong family history of vascular disease
- Diabetes
- Aboriginal or Torres Strait Islander ancestry

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 **ANTI-CYCLIC CITRULLINATED (CCP)**

ANTI-CYCLIC CITRULLINATED PEPTIDE ANTIBODIES: (SERUM)

Anti-CCP (by Alinity): 14.2 U/mL POSITIVE (RR <5)

Comment : Presence of anti-CCP antibody is suggestive of rheumatoid arthritis although it may also be seen in patients with other forms of erosive arthritis and palindromic rheumatism.

Please note: Method changed to Abbott Alinity effective 13/11/2019

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GENERAL BIOCHEMISTRY (MBI)

SERUM/PLASMA BIOCHEMISTRY

		Ref. Range	
Sodium :	141 mmol/L	(135-145)	
Potassium :	4.3 mmol/L	(3.5-5.2)	
Chloride :	107 mmol/L	(95-110)	
Bicarbonate :	26 mmol/L	(22-32)	
Urea :	6.8 mmol/L	(2.3-7.6)	
Est.GFR(mL/min) :	> 90 per 1.73sqm	(> 60)	
Creatinine :	66 umol/L	(40-90)	
Total Bilirubin :	6 umol/L	(< 20)	
Ala. Aminotransferase (ALT) :	36 U/L	(< 30)	*
Asp. Aminotransferase (AST) :	30 U/L	(< 30)	
Alkaline Phosphatase (ALP) :	63 U/L	(30-110)	
Gamma Glutamyl Trans. (GGT) :	51 U/L	(< 35)	*
Total Protein :	74 g/L	(60-80)	
Albumin :	41 g/L	(36-49)	
Globulin :	33 g/L	(22-40)	
Calcium :	2.42 mmol/L	(2.15-2.65)	
Cor. Calcium :	2.40 mmol/L	(2.15-2.65)	
Phosphate :	1.17 mmol/L	(0.75-1.50)	
Magnesium :	0.88 mmol/L	(0.60-1.10)	

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 IRON STUDIES (FES)

SERUM IRON-STUDIES

Date: 03/12/05 23/03/22 02/02/23 19/08/23
Time: 11:50 11:06 07:25 08:10
Lab.No: 2819632 40575064 45429308 46979251

					Ref.
				Units	Range
Ferritin:	73	24	22	26 ug/L	(30-300)
Iron:	22	14	12	8 umol/L	(7-27)
Transferrin:	2.4	3.1	3.0	2.9 g/L	(2.0-3.6)
Transferrin Sat:	37	18	16	11 %	(13-47)

Medical professionals: Please contact a pathologist on 03 9244 0444 if required.

Please note: The Ferritin reference intervals have changed from 20/08/2019

Method: Siemens Immunoassay

Requested Tests : RA, GS, ANA*, TFT, TBM*, FES, CRP, MBI, LIP, FBE, ESU, ENA*, CCP*