

Lab ID 884245985

DOB 07/06/1982 (40 Yrs FEMALE)

Referrer Dr Judith Spies

Your ref.

Address SYDNEY NEUROLOGY L4 BRAIN & MIND RESEARCH INST 94  
MALLET STREET  
CAMPERDOWN NSW 2050

Address 19 PANORAMA CRESCENT  
MOUNT RIVERVIEW NSW 2774

Phone 0293510730

Phone +61401445001

Copy to Dr Cecilia Rowe (0247396039)

Requested 25/01/2023

Clinical Notes 39yo woman with ms on tecfidera low lymphocyte count for  
immunoglobulin subsets and routine ms bloods

Collected 25/01/2023 14:49

Received 25/01/2023 14:50

## Biochemistry

Test Name	Result	Units	Reference Interval
Sodium	139	mmol/L	135 - 145
Potassium	4.5	mmol/L	3.5 - 5.5
Chloride	104	mmol/L	95 - 110
Bicarbonate	27	mmol/L	20 - 32
● Urea	7.6 H	mmol/L	2.5 - 7.0
Creatinine	65	umol/L	45 - 85
eGFR	>90	mL/min/1.73m2	>59
Total Bilirubin	6	umol/L	3 - 15
Alk Phos	72	U/L	20 - 105
Gamma GT	16	U/L	5 - 35
LDH	173	U/L	120 - 250
AST	26	U/L	10 - 35
ALT	25	U/L	5 - 30
Total Protein	76	g/L	68 - 85
Albumin	47	g/L	37 - 48
Globulin	29	g/L	23 - 39

## Comments

eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see [www.kidney.org.au](http://www.kidney.org.au)

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## 25-OH Vitamin D

Test Name	Result	Units	Reference Interval
Vitamin D	80	nmol/L	50 - 140

## Comments

According to the Position Statement 'Vitamin D and health in adults in Australia and New Zealand' MJA, 196(11):686-687, 2012, Vitamin D status is defined as:

Mild Deficiency	30	-	49 nmol/L
Moderate Deficiency	12.5	-	29 nmol/L
Severe Deficiency	<12.5		nmol/L

Vitamin D adequacy can be defined as a level >49 nmol/L at the end of winter - the level may need to be 10 - 20 nmol/L higher at the end of summer, to allow for seasonal decrease.

From 1st November 2014, Medicare rebates for vitamin D testing will apply to patients at risk of Vitamin D deficiency such as chronic lack of sun exposure.

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## Haematology

Test Name	Result	Units	Reference Interval
Haemoglobin	130	g/L	119 - 160
Red cell count	4.5	$\times 10^{12}/L$	3.8 - 5.8
Haematocrit	0.40		0.35 - 0.48
MCV	89	fL	80 - 100
MCH	28.8	pg	27.0 - 32.0
MCHC	323	g/L	310 - 360
RDW	13.5		10.0 - 15.0
• White cell count	3.7 L	$\times 10^9/L$	4.0 - 11.0
Neutrophils	2.68	$\times 10^9/L$	2.0 - 7.5
• Lymphocytes	0.50 L	$\times 10^9/L$	1.0 - 4.0
Monocytes	0.37	$\times 10^9/L$	0.0 - 1.0
Eosinophils	0.11	$\times 10^9/L$	0.0 - 0.5
Basophils	0.05	$\times 10^9/L$	0.0 - 0.3
NRBC	<1.0	/100 WBC	<1
Platelets	216	$\times 10^9/L$	150 - 450

## Comments

Moderate lymphopenia

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## Immunoglobulins

Immunoglobulin G 13.61 g/L 6.20 - 14.40

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#### IgG Subclasses

Immunoglobulin G	13.61	g/L	6.20 - 14.40
Immunoglobulin G1 (IgG1)	8.53	g/L	3.82 - 9.29
Immunoglobulin G2 (IgG2)	3.78	g/L	2.42 - 7.00
Immunoglobulin G3 (IgG3)	1.109	g/L	0.218 - 1.761
Immunoglobulin G4 (IgG4)	0.192	g/L	0.039 - 0.864

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