

CARTER, PAUL
 41-49 THE CHASE, SUN VALLEY. 2777
 Phone: 61404475094
 Birthdate: 22/06/1972 Sex: M Medicare Number: 2398834921
 Your Reference: 00071587 Lab Reference: 885627881-H-H902
 Laboratory: bsp
 Addressee: DR HARSUMET SANDHU Referred by: DR HARSUMET SANDHU

Name of Test: Haematology
 Requested: 17/02/2023 Collected: 22/02/2023 Reported: 22/02/2023
 11:33

Clinical notes: FATIGUE ERECTILE DYSFUNCTION

Clinical Notes : FATIGUE ERECTILE DYSFUNCTION

HAEMATOLOGY

Date	04/09/18	14/05/19	06/04/22	22/02/23		
Time F-Fast	0853	0839 F	1630	0810 F		
Lab ID	280067911	295976776	867326482	885627881	Units	Reference
Haemoglobin	152	147	149	147	g/L	(130-180)
RCC	5.5	5.2	5.3	5.4	x10*12/L	(4.5-6.5)
Haematocrit (0.39-0.54)	0.45	0.44	0.44	0.45		
MCV	81	85	83	84	fL	(80-100)
MCH (27.0-32.0)	27.6	28.4	28.3	27.4	pg	
MCHC	342	336	342	328	g/L	(310-360)
RDW (10.0-15.0)	12.0	12.5	12.6	12.3		
WCC	5.4	4.9	6.0	4.9	x10*9/L	(4.0-11.0)
Neutrophils	2.74	2.56	3.68	2.79	x10*9/L	(2.0-7.5)
Lymphocytes	1.84	1.64	1.69	1.52	x10*9/L	(1.0-4.0)
Monocytes	0.36	0.35	0.36	0.33	x10*9/L	(0.0-1.0)
Eosinophils	0.37	0.27	0.21	0.22	x10*9/L	(0.0-0.5)
Basophils	0.04	0.06	0.07	0.04	x10*9/L	(0.0-0.3)
NRBC	<1.0	<1.0	<1.0	<1.0	/100 WBC	(<1)
Platelets	242	190	245	214	x10*9/L	(150-450)

Comments on Collection 22/02/23 0810 F:
 Full blood count is within reference limits

NATA Accreditation No 2178

Tests Completed: FBC(e)

Tests Pending : DHEAS(s), B12(s), LFT(s), C(s), UCreat(s), E(s), Iron(s),
 Lipids HDL(s), CRP(s), Mg(s), Vit D(s), Testosterone(s), EBVNA(s)

Sample Pending :

CARTER, PAUL
41-49 THE CHASE, SUN VALLEY. 2777
Phone: 61404475094
Birthdate: 22/06/1972 Sex: M Medicare Number: 2398834921
Your Reference: 00071587 Lab Reference: 885627881-C-C205
Laboratory: bsp
Addressee: DR HARSUMET SANDHU Referred by: DR HARSUMET SANDHU

Name of Test: Lipids HDL(s)
Requested: 17/02/2023 Collected: 22/02/2023 Reported: 22/02/2023
14:33

Clinical notes: FATIGUE ERECTILE DYSFUNCTION

Clinical Notes : FATIGUE ERECTILE DYSFUNCTION

Date	24/01/18	14/05/19	21/01/22	22/02/23		
Time F-Fast	0928 F	0839 F	1303 F	0810 F		
Lab ID	268479841	295976776	867390559	885627881	Units	Reference
Status	Fasting	Fasting	Fasting	Fasting		
Cholesterol	L 3.6	L 3.4	4.4	4.4	mmol/L	(<5.5)
Triglycerides	0.7	L 0.4	0.8	0.7	mmol/L	(<2.0)
HDL Chol.	1.4	1.3	1.4	1.3	mmol/L	(>1.0)
LDL Chol.	1.9	1.9	2.6	2.8	mmol/L	(<3.0)
Non-HDL Chol.				3.1	mmol/L	(<4.0)

Comments on Collection 22/02/23 0810 F:
Please note that the above reference limits are decision limits.
A flag based on these limits is an indication to review the absolute cardiovascular risk for the patient. For assessment of absolute cardiovascular disease risk please see www.cvdcheck.org.au

The above decision limits are based on the European Atherosclerosis Society (EAS) and European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Consensus Statement 2016 and the Australasian Association of Clinical Biochemistry and Laboratory Medicine (AACB) Lipid Reporting Guideline 2018.

Lipid treatment targets for patients at high risk of cardiovascular disease:

Total cholesterol	<4.0 mmol/L
Triglyceride	<2.0 mmol/L
HDL cholesterol	>1.0 mmol/L
LDL cholesterol	<2.5 mmol/L (<1.8 mmol/L for very high risk)
Non-HDL cholesterol	<3.3 mmol/L (<2.5 mmol/L for very high risk)

High risk - Primary prevention Very high risk - Secondary prevention

Target values from the AACB Lipid Reporting Guideline 2018.

Please note that as there is a continuum of risk, benefits are obtained for any measured lipid components moving towards and beyond the various target levels.

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), E(s), Lipids HDL(s), CRP(s), Mg(s), FBC(e)

Tests Pending : DHEAS(s),B12(s),UCreat(s),Iron(s),Vit D(s),
Testosterone(s),EBVNA(s)
Sample Pending :

CARTER, PAUL
41-49 THE CHASE, SUN VALLEY. 2777
Phone: 61404475094
Birthdate: 22/06/1972 Sex: M Medicare Number: 2398834921
Your Reference: 00071587 Lab Reference: 885627881-C-C290
Laboratory: bsp
Addressee: DR HARSUMET SANDHU Referred by: DR HARSUMET SANDHU

Name of Test: CRP(s)
Requested: 17/02/2023 Collected: 22/02/2023 Reported: 22/02/2023
14:33

Clinical notes: FATIGUE ERECTILE DYSFUNCTION

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Date	04/09/18	14/05/19	06/04/22	22/02/23		
Time F-Fast	0853	0839 F	1630	0810 F		
Lab ID	280067911	295976776	867326482	885627881	Units	Reference
CRP	0.8	0.6	1.2	0.6	mg/L	(0.0-5.0)

NATA Accreditation No 2178

Tests Completed: LFT(s),C(s),E(s),Lipids HDL(s),CRP(s),Mg(s),FBC(e)
Tests Pending : DHEAS(s),B12(s),UCreat(s),Iron(s),Vit D(s),
Testosterone(s),EBVNA(s)
Sample Pending :

CARTER, PAUL
 41-49 THE CHASE, SUN VALLEY. 2777
 Phone: 61404475094
 Birthdate: 22/06/1972 Sex: M Medicare Number: 2398834921
 Your Reference: 00071587 Lab Reference: 885627881-C-C141
 Laboratory: bsp
 Addressee: DR HARSUMEEET SANDHU Referred by: DR HARSUMEEET SANDHU

Name of Test: Biochemistry
 Requested: 17/02/2023 Collected: 22/02/2023 Reported: 22/02/2023
 17:33

Clinical notes: FATIGUE ERECTILE DYSFUNCTION

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BIOCHEMISTRY

Date	04/09/18	14/05/19	21/01/22	22/02/23		
Time F-Fast	0853	0839 F	1303 F	0810 F		
Lab ID	280067911	295976776	867390559	885627881	Units	Reference
Status		Fasting	Fasting	Fasting		
Sodium	139	143	140	139	mmol/L	(135-145)
Potassium	4.4	4.6	4.0	4.3	mmol/L	(3.5-5.5)
Chloride	101	105	103	106	mmol/L	(95-110)
Bicarbonate	27	27	29	25	mmol/L	(20-32)
Urea	7.2	6.6	6.0	7.1	mmol/L	(3.5-8.5)
Creatinine	100	95	80	100	umol/L	(60-110)
eGFR	79	85	>90	74	mL/min/1.73m2	(>59)
Magnesium. (0.65-1.00)				0.81	mmol/L	
Bili.Total	13	10	H 27	17	umol/L	(4-20)
ALP	59	57	56	59	U/L	(35-110)
GGT	15	12	17	19	U/L	(5-50)
LD	165	163	207	175	U/L	(120-250)
AST	19	14	19	19	U/L	(10-40)
ALT	26	14	31	26	U/L	(5-40)
Total Protein	71	68	77	70	g/L	(64-83)
Albumin	45	44	49	46	g/L	(36-47)
Globulin	26	24	28	24	g/L	(23-39)
Cholesterol		L 3.4	4.4	4.4	mmol/L	(<5.5)
Triglycerides		L 0.4	0.8	0.7	mmol/L	(<2.0)

Comments on Collection 22/02/23 0810 F:
 eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Lipids HDL(s), CRP(s),
 Mg(s), FBC(e)
 Tests Pending : DHEAS(s), B12(s), Iron(s), Vit D(s), Testosterone(s), EBVNA(s)
 Sample Pending :

CARTER, PAUL
41-49 THE CHASE, SUN VALLEY. 2777
Phone: 61404475094
Birthdate: 22/06/1972 Sex: M Medicare Number: 2398834921
Your Reference: 00071587 Lab Reference: 885627881-E-B007
Laboratory: bsp
Addressee: DR HARSUMEEET SANDHU Referred by: DR HARSUMEEET SANDHU

Name of Test: Hormones
Requested: 17/02/2023 Collected: 22/02/2023 Reported: 23/02/2023
03:03

Clinical notes: FATIGUE ERECTILE DYSFUNCTION

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Reproductive Hormones

(Abbott Method)

DHEAS 5.8 umol/L (3.0 - 16)
Comment on Lab ID 885627881

NATA Accreditation No 2178

Tests Completed: DHEAS(s), B12(s), LFT(s), C(s), UCreat(s), E(s),
Lipids HDL(s), CRP(s), Mg(s), FBC(e)

Tests Pending : Iron(s), Vit D(s), Testosterone(s), Active B12(s), EBVNA(s)

Sample Pending :

CARTER, PAUL
 41-49 THE CHASE, SUN VALLEY. 2777
 Phone: 61404475094
 Birthdate: 22/06/1972 Sex: M Medicare Number: 2398834921
 Your Reference: 00071587 Lab Reference: 885627881-E-H246
 Laboratory: bsp
 Addressee: DR HARSUMEEET SANDHU Referred by: DR HARSUMEEET SANDHU
 Name of Test: B12/Folate/RCF
 Requested: 17/02/2023 Collected: 22/02/2023 Reported: 23/02/2023
 03:03

Clinical notes: FATIGUE ERECTILE DYSFUNCTION

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VIT B12 & FOLATE

Date	24/01/18	14/05/19	22/02/23		
Time F-Fast	0928 F	0839 F	0810 F		
Lab ID	268479841	295976776	885627881	Units	Reference
Vitamin B12	257	279	236	pmol/L	(135-650)
S.Fol (Abbott)	26.8	20.6		nmol/L	(>7.0)

Comments on Collection 22/02/23 0810 F:
 From 8 March 2014, active B12 (holotranscobalamin) testing will be performed on all patients with low or equivocal (at or below 340 pmol/L) total B12 results. Both tests are eligible for a Medicare rebate under these circumstances.

NATA Accreditation No 2178

Tests Completed: DHEAS(s), B12(s), LFT(s), C(s), UCreat(s), E(s),
 Lipids HDL(s), CRP(s), Mg(s), FBC(e)
 Tests Pending : Iron(s), Vit D(s), Testosterone(s), Active B12(s), EBVNA(s)
 Sample Pending :

CARTER, PAUL
41-49 THE CHASE, SUN VALLEY. 2777
Phone: 61404475094
Birthdate: 22/06/1972 Sex: M Medicare Number: 2398834921
Your Reference: 00071587 Lab Reference: 885627881-C-C151
Laboratory: bsp
Addressee: DR HARSUMEET SANDHU Referred by: DR HARSUMEET SANDHU

Name of Test: Iron Studies
Requested: 17/02/2023 Collected: 22/02/2023 Reported: 23/02/2023
04:03

Clinical notes: FATIGUE ERECTILE DYSFUNCTION

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IRON

Date	04/09/18	14/05/19	22/02/23		
Time F-Fast	0853	0839 F	0810 F		
Lab ID	280067911	295976776	885627881	Units	Reference
Iron	15.6	14.2	16.5	umol/L	(5.0-30.0)
Transferrin	2.4	2.4	2.8	g/L	(2.0-3.2)
TIBC (Calc)	54	54	62	umol/L	(46-70)
Saturation	29	26	27	%	(10-45)
Ferritin	290	249	255	ug/L	(30-300)

NATA Accreditation No 2178

Tests Completed: DHEAS(s), B12(s), LFT(s), C(s), UCreat(s), E(s), Iron(s),
Lipids HDL(s), CRP(s), Mg(s), Active B12(s), FBC(e)
Tests Pending : Vit D(s), Testosterone(s), EBVNA(s)
Sample Pending :

CARTER, PAUL
41-49 THE CHASE, SUN VALLEY. 2777
Phone: 61404475094
Birthdate: 22/06/1972 Sex: M Medicare Number: 2398834921
Your Reference: 00071587 Lab Reference: 885627881-C-E348
Laboratory: bsp
Addressee: DR HARSUMEEET SANDHU Referred by: DR HARSUMEEET SANDHU

Name of Test: Active B12(s)
Requested: 17/02/2023 Collected: 22/02/2023 Reported: 23/02/2023
04:03

Clinical notes: FATIGUE ERECTILE DYSFUNCTION

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Date	24/01/18	04/09/18	14/05/19	22/02/23		
Time F-Fast	0928 F	0853	0839 F	0810 F		
Lab ID	268479841	280067911	295976776	885627881	Units	Reference
Active B12	67	124	71	67	pmol/L	(>35)

NATA Accreditation No 2178

Tests Completed: DHEAS(s), B12(s), LFT(s), C(s), UCreat(s), E(s), Iron(s),
Lipids HDL(s), CRP(s), Mg(s), Active B12(s), FBC(e)
Tests Pending : Vit D(s), Testosterone(s), EBVNA(s)
Sample Pending :

CARTER, PAUL
41-49 THE CHASE, SUN VALLEY. 2777

Phone: 61404475094

Birthdate: 22/06/1972 Sex: M Medicare Number: 2398834921

Your Reference: 00071587 Lab Reference: 885627881-E-E515

Laboratory: bsp

Addressee: DR HARSUMEEET SANDHU Referred by: DR HARSUMEEET SANDHU

Name of Test: Testo, SHBG, FAI

Requested: 17/02/2023 Collected: 22/02/2023 Reported: 23/02/2023
06:33

Clinical notes: FATIGUE ERECTILE DYSFUNCTION

Clinical Notes : FATIGUE ERECTILE DYSFUNCTION

TESTOSTERONE, SHBG AND FAI

Date	26/06/18	04/09/18	14/05/19	22/02/23		
Time F-Fast	1543	0853	0839 F	0810 F		
Lab ID	278329078	280067911	295976776	885627881	Units	Reference
Testosterone	11.7	15.6	18.2	23.6	nmol/L	(9.5-28.0)

NATA Accreditation No 2178

Tests Completed: DHEAS(s), B12(s), LFT(s), C(s), UCreat(s), E(s), Iron(s),
Lipids HDL(s), CRP(s), Mg(s), Testosterone(s),
Active B12(s), FBC(e)

Tests Pending : Vit D(s), EBVNA(s)

Sample Pending :

CARTER, PAUL
41-49 THE CHASE, SUN VALLEY. 2777
Phone: 61404475094
Birthdate: 22/06/1972 Sex: M Medicare Number: 2398834921
Your Reference: 00071587 Lab Reference: 885627881-C-C513
Laboratory: bsp
Addressee: DR HARSUMEEET SANDHU Referred by: DR HARSUMEEET SANDHU

Name of Test: Vit D(s)
Requested: 17/02/2023 Collected: 22/02/2023 Reported: 23/02/2023
07:03

Clinical notes: FATIGUE ERECTILE DYSFUNCTION

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Date	04/09/18	14/05/19	21/01/22	22/02/23		
Time F-Fast	0853	0839 F	1303 F	0810 F		
Lab ID	280067911	295976776	867390559	885627881	Units	Reference
Vitamin D	97	133	115	H 145	nmol/L	(50-140)

Comments on Collection 22/02/23 0810 F:
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.

NATA Accreditation No 2178

Tests Completed: DHEAS(s), B12(s), LFT(s), C(s), UCreat(s), E(s), Iron(s),
Lipids HDL(s), CRP(s), Mg(s), Vit D(s), Testosterone(s),
Active B12(s), FBC(e)
Tests Pending : EBVNA(s)
Sample Pending :

CARTER, PAUL
41-49 THE CHASE, SUN VALLEY. 2777

Phone: 61404475094

Birthdate: 22/06/1972 Sex: M Medicare Number: 2398834921

Your Reference: 00071587 Lab Reference: 885627881-S-S066

Laboratory: bsp

Addressee: DR HARSUMMEET SANDHU Referred by: DR HARSUMMEET SANDHU

Name of Test: EBVNA(s)

Requested: 17/02/2023 Collected: 22/02/2023 Reported: 23/02/2023
12:33

Clinical notes: FATIGUE ERECTILE DYSFUNCTION

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Epstein-Barr Virus Serology

EBV VCA IgG Detected

EBV NA IgG Detected

EBV VCA IgM * Detected

Comment on Lab ID 885627881

Previous EBV serology results noted and are consistent with past EBV infection. There has been no significant change in the recent low positive EBV IgM results and persistent positivity does not correlate with persistent symptoms. It may also be due to cross reactivity / non-specific reactivity. Further EBV testing is unlikely to be helpful.

NATA Accreditation No 2178

Tests Completed: DHEAS(s), B12(s), LFT(s), C(s), UCreat(s), E(s), Iron(s),
Lipids HDL(s), CRP(s), Mg(s), Vit D(s), Testosterone(s),
Active B12(s), FBC(e), EBVNA(s)

Tests Pending :

Sample Pending :