



LAB ID 883863470 DOB 26/12/1983 (39Y Female)

Referring Doctor Dr Ellen Paton

Your ref. 838540908088

Address Unit 50 / 2 Bouvardia St
ASQUITH NSW 2077

Phone 0424 689 089

Dr Ellen Paton
The Grove Health
Suite 11 Level 3
924 Pacific Highway
GORDON NSW 2072

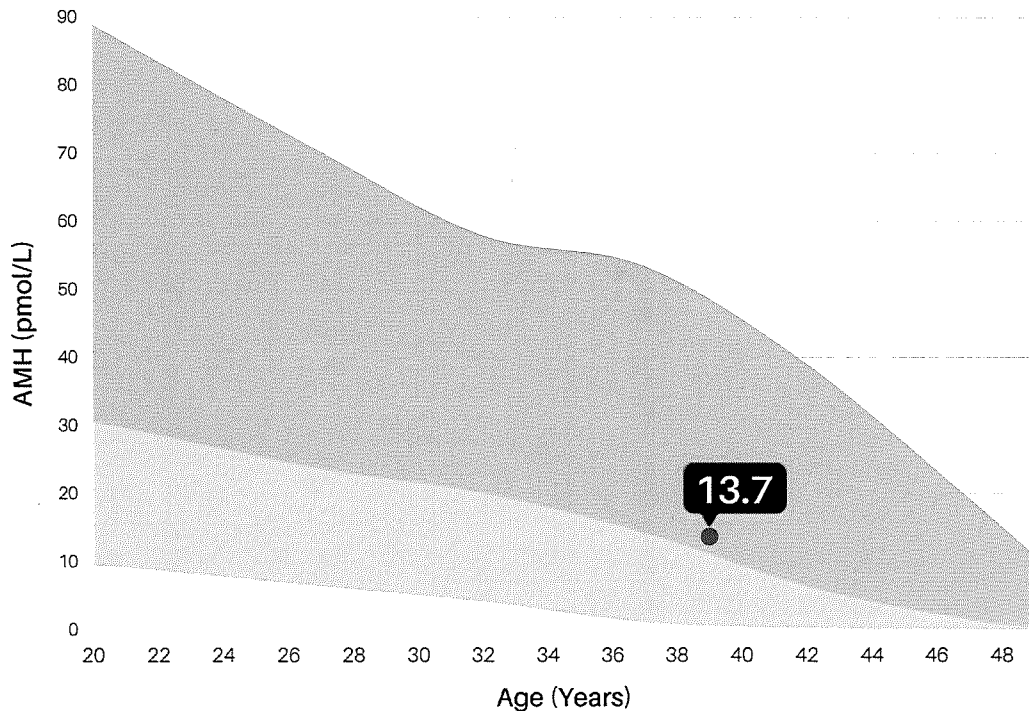
P14070
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Requested 16 Dec 2022
Collected 13 Jan 2023 08:33 am
Received 13 Jan 2023 08:33 am
Reported 17 Jan 2023 12:05 pm

Anti-Mullerian Hormone (AMH)

Marker of Ovarian Follicle Reserve

Collected	Test	Result	Units
13 Jan 2023 08:33 am	AMH	13.7	pmol/L



Assay used: Anti Mullerian H Snp

Specimen collected: Serum

REFERENCE: < 2.5th percentile 2.5th-50th percentile 50th-97.5th percentile > 97.5th percentile

Start Patient : GRUNOW,KATHARINA
UNIT 50 / 2 BOUVARDIA ST, ASQUITH 2077
Birthdate: 26/12/1983 Age: 39 Y Sex: F
Telephone: 0424689089
Your Reference : 838540908088
DHP Reference : 883863470
Medicare Number: 2677699086
Phone Enquiries: dhmmal2

AMHR Graph

Lab. Reference: 883863470-V-GRAPH AMHR

Requested: 16/12/2022

Complete: Final

Collected: 13/01/2023

Douglass Hanly Moir Pathology

Referred by : Dr Ellen Paton
Addressee : Dr Ellen Paton 508543EH
Lab. Reference: 883863470-V-GRAPH AMHR

Clinical Notes : FERTILITY +HORMONE SCREEN+ BASELINE

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before 17-01-2024. Use PIN 0184.**

<https://sdrviewer.apps.sonichealthcare.com/?GUID=CD32B65C-5173-4B0F-B97F-ECB848E42C3E&hostCode=DHM&shareType=1>

NATA Accreditation No 2178

Tests Completed: LH(s),FSH(s),Oest(s),Prog(s),Commenting,B12(s),
Fol(s),LFT(s),C(s),UCreat(s),E(s),Phos(s),Ca(s),
Ferr(s),Mg(s),Vit D(s),TSH(s),Prol(s),
Testosterone(s),Insulin(s),SHBG/FAI(s),AMH(s),
FBC(e),FILM

Tests Pending :

Sample Pending :

Patient : GRUNOW, KATHARINA 50 2 BOUVARDIA ST, ASQUITH, NSW 2077:
26/12/1983 Age: Y38 Sex: F: 0424689089
Reference : 838540664100 Reference : 22-20404511Number:
2677699086Enquiries:
By... : DR. ELLEN PATON : DR. ELLEN PATON
508543EH. Reference: 22-20404511-UMM-0

Clinical Notes : Pelvic cramping exclude infection.

Specimen	<u>URINE EXAMINATION</u>			
	Midstream	MICROSCOPY		
CHEMISTRY				
pH	8.0	Leucocytes	< 3	x10 ⁶ /L (< 10)
Protein	nil	Erythrocytes	< 4	x10 ⁶ /L (< 10)
Glucose	nil	Epithelial cells	8	x10 ⁶ /L (< 10)
Blood	nil			

A urine with these results is not usually infected. Although culture has been performed, a further report will only be issued if the culture is positive.

Requested Tests : UMM, CHM*

Patient : GRUNOW, KATHARINA 50 2 BOUVARDIA ST, ASQUITH, NSW 2077:
26/12/1983 Age: Y38 Sex: F: 0424689089
Reference : 838540664100 Reference : 22-20404511Number:
2677699086Enquiries:
By... : DR. ELLEN PATON : DR. ELLEN PATON
508543EH. Reference: 22-20404511-CHM-0

Clinical Notes : Pelvic cramping exclude infection.

NUCLEIC ACID TESTING (NAT)

Specimen / site	URINE
Chlamydia trachomatis	Not detected
Neisseria gonorrhoeae	Not detected

This specimen has been tested using the Roche cobas CT/NG 6800 assay.

Please note: The optimal samples for this assay are first void urine samples, endocervical or urethral swabs.

Requested Tests : UMM, CHM

Name: GRUNOW, KATHARINA : 50/2 BOUVARDIA ST
ASQUITH. 2077.O.B.: 26/12/1983 Gender: FNo: 26776990861No:
. Reference: 9692047Requested: 16/12/2022: DR ELLEN PATON by: DR ELLEN
PATON : 12/01/2023 10:23: Name: US PELVISinformation:



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This report is for: Dr E. PATON
Referred By:-:
Dr E. PATON

US PELVIS 12/01/2023 Reference: 9692047

ULTRASOUND OF THE PELVIS

HISTORY:

Difficulty falling pregnant, cramping throughout entire cycle ?cause
?PCOS
LMP: week 2.

COMPARISON:

None available.

TECHNIQUE:

Transabdominal and transvaginal scanning has been performed.

FINDINGS:

Uterus: The uterus is normal in size, measuring 81 x 51 x 36 mm; 78
cc. It is anteverted.

Myometrium: The myometrium is homogeneous. No uterine fibroids seen.

Cervix: No abnormality is seen. Nabothian cysts noted. Fluid is noted
in the canal.

Endometrial thickness: 9 mm. The endometrium is regular.

Right Ovary/Adnexa: 33 x 32 x 29 mm; 15.9 ml.

The right ovary is normal. The ovary is mobile and non-tender.
A dominant follicle is present.

Left Ovary/Adnexa: 25 x 14 x 37 mm; 6.7 ml.

The left ovary is normal. The ovary is mobile and non-tender.

Pouch of Douglas: There is a physiological amount of free fluid.

COMMENT:

Normal study. No pelvic abnormality is demonstrated.

Dr Deepak Prasad

Electronically verified by: Dr Deepak Prasad - 12/01/2023 11:36

Stress echo now available at PRP Hornsby.

[Click here to view images](#)

Patient : GRUNOW, KATHARINA50 / 2 BOUVARDIA ST, ASQUITH 2077: 26/12/1983
 Age: 39 Y Sex: F: 0424689089Reference : 838540908088Reference :
 883863470Number: 2677699086Enquiries: Supervising Path.
 FH
 by : Dr Ellen Paton : Dr Ellen Paton
 508543EH. Reference: 883863470-H- HAEM VIRTUAL

Clinical Notes : FERTILITY +HORMONE SCREEN+ BASELINE

HAEMATOLOGY

Date	24/07/18	16/09/18	05/10/18	13/01/23		
Time F-Fast	1647	0715	0819 F	0833 F		
Lab ID	286995069	278953766	262535144	883863470	Units	Reference
Haemoglobin	108	122	139	132	g/L	(119-160)
RCC	L 3.2	3.7	4.3	4.2	x10 ¹² /L	(3.8-5.8)
Haematocrit (0.35-0.48)	0.31	0.36	0.40	0.39		
MCV	98	95	95	94	fL	(80-100)
MCH (27.0-32.0)	H 33.6	H 32.7	H 32.7	31.7	pg	
MCHC	344	343	344	337	g/L	(310-360)
RDW (10.0-15.0)	12.4	12.4	12.1	12.4		
WCC	6.7	H 17.2	4.0	L 3.4	x10 ⁹ /L	(4.0-11.0)
Neutrophils	4.25	H 16.03	L 1.83	L 1.54	x10 ⁹ /L	(2.0-7.5)
Lymphocytes	1.80	L 0.93	1.35	1.45	x10 ⁹ /L	(1.0-4.0)
Monocytes	0.55	0.23	0.49	0.33	x10 ⁹ /L	(0.0-1.0)
Eosinophils	0.07	0.00	0.16	0.04	x10 ⁹ /L	(0.0-0.5)
Basophils	0.04	0.05	0.12	0.07	x10 ⁹ /L	(0.0-0.3)
NRBC	<1.0	<1.0	<1.0	<1.0	/100 WBC	(<1)
Platelets	193	209	263	153	x10 ⁹ /L	(150-450)

Comments on Collection 13/01/23 0833 F:

Red Cell Morphology: No significant abnormality
 Mild neutropenia

NATA Accreditation No 2178

Tests Completed: FBC(e), FILM

Tests Pending : LH(s), FSH(s), Oest(s), Prog(s), Commenting, Bl2(s),
 Fol(s), LFT(s), C(s), UCreat(s), E(s), Phos(s), Ca(s),
 Ferr(s), Mg(s), Vit D(s), TSH(s), Prol(s),
 Testosterone(s), Insulin(s), .SHBG/FAI(s), AMH(s)

Sample Pending :

Patient : GRUNOW,KATHARINA50 / 2 BOUVARDIA ST,ASQUITH 2077: 26/12/1983
 Age: 39 Y Sex: F: 0424689089Reference : 838540908088Reference :
 883863470Number: 2677699086Enquiries:
 by : Dr Ellen Paton : Dr Ellen Paton
 508543EH. Reference: 883863470-E-Vitamin B12/Folate

Clinical Notes : FERTILITY +HORMONE SCREEN+ BASELINE

VIT B12 & FOLATE

Date	03/11/12	02/08/18	05/10/18	13/01/23		
Time F-Fast	0830 F	1031	0819 F	0833 F		
Lab ID	238402417	266552104	262535144	883863470	Units	Reference
Vitamin B12				429	pmol/L	(135-650)
Vitamin B12	474	444	H 855		pmol/L	(145-637)
S.Fol (Abbott)				39.0	nmol/L	(>7.0)
RBC Fol (Abbott)			1050		nmol/L	(>150)
RBC Fol (Roche)	1617				nmol/L	(776-1784)

Comments on Collection 13/01/23 0833 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: LH(s),FSH(s),Prog(s),B12(s),Fol(s),LFT(s),C(s),
 UCreat(s),E(s),Phos(s),Ferr(s),Mg(s),Vit D(s),TSH(s),
 Testosterone(s),Insulin(s),.SHBG/FAI(s),FBC(e),FILM
 Tests Pending : Oest(s),Commenting,Ca(s),Prol(s),AMH(s)
 Sample Pending :

Patient : GRUNOW,KATHARINA50 / 2 BOUVARDIA ST,ASQUITH 2077: 26/12/1983
 Age: 39 Y Sex: F: 0424689089Reference : 838540908088Reference :
 883863470Number: 2677699086Enquiries: Supervising Path.
 GC, NT
 by : Dr Ellen Paton : Dr Ellen Paton
 508543EH. Reference: 883863470-C-Iron Studies

Clinical Notes : FERTILITY +HORMONE SCREEN+ BASELINE

IRON

Date	28/08/17	02/08/18	05/10/18	13/01/23		
Time F-Fast	1230	1031	0819 F	0833 F		
Lab ID	267141826	266552104	262535144	883863470	Units	Reference
Iron	26.7	18.1	17.0		umol/L	(5.0-30.0)
Transferrin	2.3				g/L	(2.0-3.6)
TIBC (Calc)	52				umol/L	(46-77)
Saturation	H 51				%	(10-45)
Ferritin	100	41	72	38	ug/L	(15-200)

Comments on Collection 13/01/23 0833 F:
 Laboratory records show that the patient is heterozygous for the H63D mutation of the haemochromatosis gene. This genotype is not associated with a high risk of iron overload.

NATA Accreditation No 2178

Tests Completed: LH(s),FSH(s),Prog(s),B12(s),Fol(s),LFT(s),C(s),
 UCreat(s),E(s),Phos(s),Ferr(s),Mg(s),Vit D(s),TSH(s),
 Testosterone(s),Insulin(s),.SHBG/FAI(s),FBC(e),FILM
 Tests Pending : Oest(s),Commenting,Ca(s),Prol(s),AMH(s)
 Sample Pending :

Patient : GRUNOW, KATHARINA50 / 2 BOUVARDIA ST, ASQUITH 2077: 26/12/1983
 Age: 39 Y Sex: F: 0424689089Reference : 838540908088Reference :
 883863470Number: 2677699086Enquiries: Supervising Path.
 GC, NT
 by : Dr Ellen Paton : Dr Ellen Paton
 508543EH. Reference: 883863470-C-VITD

Clinical Notes : FERTILITY +HORMONE SCREEN+ BASELINE

Date	12/04/14	28/08/17	05/10/18	13/01/23	
Time F-Fast	1110	1230	0819 F	0833 F	
Lab ID	291870134	267141826	262535144	883863470	Units Reference
Vitamin D	L 42	52	75	71	nmol/L (50-140)

Comments on Collection 13/01/23 0833 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: LH(s), FSH(s), Prog(s), B12(s), Fol(s), LFT(s), C(s),
 UCreat(s), E(s), Phos(s), Ferr(s), Mg(s), Vit D(s), TSH(s),
 Testosterone(s), Insulin(s), .SHBG/FAI(s), FBC(e), FILM
 Tests Pending : Oest(s), Commenting, Ca(s), Prol(s), AMH(s)
 Sample Pending :

Patient : GRUNOW, KATHARINA50 / 2 BOUVARDIA ST, ASQUITH 2077: 26/12/1983
 Age: 39 Y Sex: F: 0424689089Reference : 838540908088Reference :
 883863470Number: 2677699086Enquiries:
 by : Dr Ellen Paton : Dr Ellen Paton
 508543EH. Reference: 883863470-E-Thyroid Function

Clinical Notes : FERTILITY +HORMONE SCREEN+ BASELINE

TFT

Date	28/08/17	16/09/18	05/10/18	13/01/23		
Time F-Fast	1230	0715	0819 F	0833 F		
Lab ID	267141826	278953766	262535144	883863470	Units	Reference
TSH	1.49	1.70	1.48	1.04	mIU/L	
(0.40-3.50)						
Free T4		9.2			pmol/L	(9-14)#

#Please note reference limits apply to Pregnancy at the specified date of collection.

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Prog(s), B12(s), Fol(s), LFT(s), C(s),
 UCreat(s), E(s), Phos(s), Ferr(s), Mg(s), Vit D(s), TSH(s),
 Testosterone(s), Insulin(s), SHBG/FAI(s), FBC(e), FILM
 Tests Pending : Oest(s), Commenting, Ca(s), Prol(s), AMH(s)
 Sample Pending :

Patient : GRUNOW, KATHARINA50 / 2 BOUVARDIA ST, ASQUITH 2077: 26/12/1983
Age: 39 Y Sex: F: 0424689089Reference : 838540908088Reference :
883863470Number: 2677699086Enquiries:
by : Dr Ellen Paton : Dr Ellen Paton
508543EH. Reference: 883863470-E-Testo, SHBG, FAI

Clinical Notes : FERTILITY +HORMONE SCREEN+ BASELINE

Androgens

Testosterone	1.2	nmol/L	(0.2 - 1.8)
SHBG	65	nmol/L	(30 - 110)
Free Androgen Index	1.8	%	(0.3 - 4.0)

Comment on Lab ID 883863470

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Prog(s), B12(s), Fol(s), LFT(s), C(s),
UCreat(s), E(s), Phos(s), Ferr(s), Mg(s), Vit D(s), TSH(s),
Testosterone(s), Insulin(s), .SHBG/FAI(s), FBC(e), FILM
Tests Pending : Oest(s), Commenting, Ca(s), Prol(s), AMH(s)
Sample Pending :

Patient : GRUNOW, KATHARINA50 / 2 BOUVARDIA ST, ASQUITH 2077: 26/12/1983
Age: 39 Y Sex: F: 0424689089Reference : 838540908088Reference :
883863470Number: 2677699086Enquiries: Supervising Path.
GC, NT
by : Dr Ellen Paton : Dr Ellen Paton
508543EH. Reference: 883863470-C-INS

Clinical Notes : FERTILITY +HORMONE SCREEN+ BASELINE

Date	05/10/18	13/01/23		
Time F-Fast	0819 F	0833 F		
Lab ID	262535144	883863470	Units	Reference
F Insulin	3		mU/L	(0-20)
R Insulin (Abbott)		3	mU/L	

Comments on Collection 13/01/23 0833 F:

In a non-pregnant patient serum insulin(s) >80 mU/L following a 75g oral glucose load and/or fasting insulin(s) >14 mU/L (in the absence of insulinoma) are consistent with insulin resistance. Post-load insulin(s) of 60 - 80 mU/L and/or fasting insulin(s) of 10 - 14 mU/L are suggestive of insulin resistance and follow-up may be indicated in the presence of risk factors such as obesity or a positive family history.

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Prog(s), B12(s), Fol(s), LFT(s), C(s),
UCreat(s), E(s), Phos(s), Ferr(s), Mg(s), Vit D(s), TSH(s),
Testosterone(s), Insulin(s), .SHBG/FAI(s), FBC(e), FILM
Tests Pending : Oest(s), Commenting, Ca(s), Prol(s), AMH(s)
Sample Pending :

Patient : GRUNOW, KATHARINA50 / 2 BOUVARDIA ST, ASQUITH 2077: 26/12/1983
 Age: 39 Y Sex: F: 0424689089Reference : 838540908088Reference :
 883863470Number: 2677699086Enquiries:
 by : Dr Ellen Paton : Dr Ellen Paton
 508543EH. Reference: 883863470-E-Hormones

Clinical Notes : FERTILITY +HORMONE SCREEN+ BASELINE

Reproductive Hormones
 (Abbott Method)

FSH	9.3	IU/L
LH	18.1	IU/L
Oestradiol	552	pmol/L
Progesterone	2.8	nmol/L

Comment on Lab ID 883863470

FSH	Basal	1.5 - 10
	Mid cycle peak	7.0 - 22
	Post-menopausal	25 - 130

LH	Basal	2.0 - 12
	Mid cycle peak	8.0 - 90
	Post-menopausal	5.0 - 62

Oestradiol	Follicular phase	<320
	Preovulatory phase	450 - 2000
	Luteal phase	125 - 1300
	Post-menopausal	<170

Progesterone	Follicular phase	0.3 - 4.0
	Luteal phase	5.5 - 90.0
	Midluteal	8.5 - 110.0

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, B12(s),
 Fol(s), LFT(s), C(s), UCreat(s), E(s), Phos(s), Ca(s),
 Ferr(s), Mg(s), Vit D(s), TSH(s), Testosterone(s),
 Insulin(s), .SHBG/FAI(s), FBC(e), FILM

Tests Pending : Prol(s), AMH(s)

Sample Pending :

Patient : GRUNOW, KATHARINA50 / 2 BOUVARDIA ST, ASQUITH 2077: 26/12/1983
 Age: 39 Y Sex: F: 0424689089 Reference : 838540908088 Reference :
 883863470 Number: 2677699086 Enquiries: Supervising Path.
 GC, NT
 by : Dr Ellen Paton : Dr Ellen Paton
 508543EH. Reference: 883863470-C-Biochemistry

Clinical Notes : FERTILITY +HORMONE SCREEN+ BASELINE

BIOCHEMISTRY

Date	03/11/12	16/09/18	05/10/18	13/01/23		
Time F-Fast	0830 F	0715	0819 F	0833 F		
Lab ID	238402417	278953766	262535144	883863470	Units	Reference
Status	Fasting	Random	Fasting	Fasting		
Sodium	137	L 134	139	140	mmol/L	(135-145)
Potassium	4.4	4.2	4.3	4.8	mmol/L	(3.5-5.5)
Chloride	105	99	100	106	mmol/L	(95-110)
Bicarbonate	27	L 19	27	27	mmol/L	(20-32)
Urea	4.6	3.2	2.8	3.1	mmol/L	(2.5-7.0)
Creatinine	65	65	55	65	umol/L	(45-85)
eGFR	>90	>90	>90	>90	mL/min/1.73m2	(>59)
Calcium		2.42		2.44	mmol/L	
(2.15-2.55)						
Corr Calcium		H 2.56		2.32	mmol/L	
(2.15-2.55)						
Magnesium.				0.90	mmol/L	
(0.65-1.00)						
Phosphate.		1.15		1.12	mmol/L	(0.8-1.5)
Bili.Total	6	5	6	12	umol/L	(3-15)
ALP	32	H 189	H 108	43	U/L	(20-105)
GGT	13	20	20	11	U/L	(5-35)
LD	L 102	215	156	122	U/L	(120-250)
AST	13	29	25	14	U/L	(10-35)
ALT	12	23	30	13	U/L	(5-30)
Total Protein	75	L 67	71	74	g/L	(68-85)
Albumin	44	L 36	44	H 49	g/L	(37-48)
Globulin	31	31	27	25	g/L	(23-39)

Comments on Collection 13/01/23 0833 F:
 eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, B12(s),
 Fol(s), LFT(s), C(s), UCreat(s), E(s), Phos(s), Ca(s),
 Ferr(s), Mg(s), Vit D(s), TSH(s), Testosterone(s),
 Insulin(s), .SHBG/FAI(s), FBC(e), FILM

Tests Pending : Prol(s), AMH(s)

Sample Pending :

Patient : GRUNOW, KATHARINA50 / 2 BOUVARDIA ST, ASQUITH 2077: 26/12/1983
Age: 39 Y Sex: F: 0424689089Reference : 838540908088Reference :
883863470Number: 2677699086Enquiries:
by : Dr Ellen Paton : Dr Ellen Paton
508543EH. Reference: 883863470-E-PROL

Clinical Notes : FERTILITY +HORMONE SCREEN+ BASELINE

Prolactin (Roche Method)

Prolactin (Total)	H 701	mIU/L	(85 - 500)
%Recovery of Prolactin	55	%	

Comment on Lab ID 883863470

A post-PEG recovery of 40 - 60% is consistent with the presence of monomeric Prolactin together with an oligomeric/macro- Prolactin component. Please note that the presence of oligomeric/macro- Prolactin does not exclude pituitary pathology for which further investigation(s) may be indicated.

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, B12(s),
Fol(s), LFT(s), C(s), UCreat(s), E(s), Phos(s), Ca(s),
Ferr(s), Mg(s), Vit D(s), TSH(s), Prol(s),
Testosterone(s), Insulin(s), .SHBG/FAI(s), FBC(e), FILM
Tests Pending : AMH(s)
Sample Pending :

Patient : GRUNOW, KATHARINA50 / 2 BOUVARDIA ST, ASQUITH 2077: 26/12/1983
Age: 39 Y Sex: F: 0424689089Reference : 838540908088Reference :
883863470Number: 2677699086Enquiries: Supervising Path.
G C
by : Dr Ellen Paton : Dr Ellen Paton
508543EH. Reference: 883863470-R-AMH

Clinical Notes : FERTILITY +HORMONE SCREEN+ BASELINE

Anti-Mullerian Hormone (AMH)

Anti-Mullerian Hormone (Roche Plus) 13.7 pmol/L (1.1 - 53.5)

Comment on Lab ID 883863470

The reference interval quoted above for the Roche AMH Plus assay is the age-related 2.5 - 97.5 percentile.

Generally accepted fertility criteria (not age-related):

<11.0 pmol/L: Suggestive of reduced ovarian reserve

>24.0 pmol/L: Indicates the possibility of

1. Polycystic Ovarian Syndrome
2. In post-menopausal females - granulosa cell tumour
3. Increased risk of Ovarian Hyperstimulation

Syndrome in a stimulated cycle

AMH is produced by the granulosa cells of developing follicles, and provides an estimate of the number of primordial follicles. Particularly in younger women, a low AMH level does not exclude the possibility of fertility.

Levels may be decreased in the latter part of the menstrual cycle and by the OC pill.

High dose biotin (Vitamin B7) can interfere in the AMH Plus assay, causing a falsely low result. High dose biotin may be used in the treatment of Multiple Sclerosis, and is present in certain vitamin supplements, particularly those for hair and nails. If the patient is taking high dose biotin supplementation (>5 mg/day) this result may not be accurate, please repeat this test after at least 3 days off biotin

Please note change in test method from 10/9/2018 from Beckman Access to Roche AMH Plus, with results now approximately 20% lower. Analytical results and percentile cutoffs may not be directly comparable between these methods. For further information please contact Drs Price or Kanowski on 07 3377 8670.

Reported by Sullivan and Nicolaides Pathology, a member of the Sonic Healthcare Group.

To access a PDF version of the report, copy and paste the URL below into your browser

before 17-01-2024. Use PIN 7099.

<https://sdrviewer.apps.sonichealthcare.com/?GUID=8F52D0E9-7008-4688-AE3B-84C5CBCB3D7B&hostCode=DHM&shareType=1>

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, B12(s),
Fol(s), LFT(s), C(s), UCreat(s), E(s), Phos(s), Ca(s),
Ferr(s), Mg(s), Vit D(s), TSH(s), Prol(s),
Testosterone(s), Insulin(s), .SHBG/FAI(s), AMH(s),
FBC(e), FILM

Tests Pending :

Sample Pending :

GRUNOW, KATHARINA
 UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
 Phone: 0424689089
 Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
 Your Reference: 842051780056 Lab Reference: 886983111-H- HAEM VIRTUAL
 Laboratory: Douglass Hanly Moir Pathology eOrder
 Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: Haematology
 Requested: 20/01/2023 Collected: 01/05/2023 Reported: 01/05/2023
 13:40

Clinical notes: INFERTILITY ?CAUSE

Clinical Notes : INFERTILITY ?CAUSE

HAEMATOLOGY

Date	16/09/18	05/10/18	13/01/23	01/05/23		
Time F-Fast	0715	0819 F	0833 F	0838		
Lab ID	278953766	262535144	883863470	886983111	Units	Reference
Haemoglobin	122	139	132	131	g/L	(119-160)
RCC	3.7	4.3	4.2	4.1	x10 ¹² /L	(3.8-5.8)
Haematocrit (0.35-0.48)	0.36	0.40	0.39	0.39		
MCV	95	95	94	94	fL	(80-100)
MCH (27.0-32.0)	H 32.7	H 32.7	31.7	31.6	pg	
MCHC	343	344	337	339	g/L	(310-360)
RDW (10.0-15.0)	12.4	12.1	12.4	11.7		
WCC	H 17.2	4.0	L 3.4	L 3.7	x10 ⁹ /L	(4.0-11.0)
Neutrophils	H 16.03	L 1.83	L 1.54	L 1.93	x10 ⁹ /L	(2.0-7.5)
Lymphocytes	L 0.93	1.35	1.45	1.35	x10 ⁹ /L	(1.0-4.0)
Monocytes	0.23	0.49	0.33	0.35	x10 ⁹ /L	(0.0-1.0)
Eosinophils	0.00	0.16	0.04	0.05	x10 ⁹ /L	(0.0-0.5)
Basophils	0.05	0.12	0.07	0.05	x10 ⁹ /L	(0.0-0.3)
NRBC	<1.0	<1.0	<1.0	<1.0	/100 WBC	(<1)
Platelets	209	263	153	174	x10 ⁹ /L	(150-450)

Comments on Collection 01/05/23 0838:
 Persistent neutropenia.

NATA Accreditation No 2178

Tests Completed: FBC(e)

Tests Pending : RF(s), LFT(s), C(s), UCreat(s), E(s), Prol(s), Coags(c),
 ANA(s), ENA Screen(s)

Sample Pending :

GRUNOW, KATHARINA
UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
Phone: 0424689089
Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
Your Reference: 842051780056 Lab Reference: 886983111-F-COAG
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: Coags(c)
Requested: 20/01/2023 Collected: 01/05/2023 Reported: 01/05/2023
14:40

Clinical notes: INFERTILITY ?CAUSE

Clinical Notes : INFERTILITY ?CAUSE

Coagulation Studies

PT	12	s	(9 - 13)
INR	1.1		(0.9 - 1.2)
APTT	27	s	(20 - 32)
Thrombin Time	16	s	(15 - 22)
Fibrinogen	1.8	g/L	(1.5 - 4.2)

Comment on Lab ID 886983111

Coagulation studies are within reference limits.

NATA Accreditation No 2178

Tests Completed: Coags(c), FBC(e)

Tests Pending : RF(s), LFT(s), C(s), UCreat(s), E(s), Prol(s), ANA(s), ENA Screen(s)

Sample Pending :

GRUNOW, KATHARINA
 UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
 Phone: 0424689089
 Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
 Your Reference: 842051780056 Lab Reference: 886983111-C-Biochemistry
 Laboratory: Douglass Hanly Moir Pathology eOrder
 Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: Biochemistry
 Requested: 20/01/2023 Collected: 01/05/2023 Reported: 01/05/2023
 16:40

Clinical notes: INFERTILITY ?CAUSE

Clinical Notes : INFERTILITY ?CAUSE

BIOCHEMISTRY

Date	16/09/18	05/10/18	13/01/23	01/05/23		
Time F-Fast	0715	0819 F	0833 F	0838		
Lab ID	278953766	262535144	883863470	886983111	Units	Reference
Sodium	L 134	139	140	136	mmol/L	(135-145)
Potassium	4.2	4.3	4.8	4.1	mmol/L	(3.5-5.5)
Chloride	99	100	106	104	mmol/L	(95-110)
Bicarbonate	L 19	27	27	23	mmol/L	(20-32)
Urea	3.2	2.8	3.1	3.2	mmol/L	(2.5-7.0)
Creatinine	65	55	65	60	umol/L	(45-85)
eGFR	>90	>90	>90	>90	mL/min/1.73m2	(>59)
Bili.Total	5	6	12	10	umol/L	(3-15)
ALP	H 189	H 108	43	42	U/L	(20-105)
GGT	20	20	11	10	U/L	(5-35)
LD	215	156	122	L 109	U/L	(120-250)
AST	29	25	14	14	U/L	(10-35)
ALT	23	30	13	10	U/L	(5-30)
Total Protein	L 67	71	74	69	g/L	(68-85)
Albumin	L 36	44	H 49	43	g/L	(37-48)
Globulin	31	27	25	26	g/L	(23-39)

Comments on Collection 01/05/23 0838:

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), Coags(c), FBC(e)
 Tests Pending : RF(s), Prol(s), ANA(s), ENA Screen(s)
 Sample Pending :

GRUNOW, KATHARINA
UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
Phone: 0424689089
Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
Your Reference: 842051780056 Lab Reference: 886983111-E-PROL
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: Prol(s)
Requested: 20/01/2023 Collected: 01/05/2023 Reported: 01/05/2023
18:10

Clinical notes: INFERTILITY ?CAUSE

Clinical Notes : INFERTILITY ?CAUSE

Date	13/01/23	01/05/23		
Time F-Fast	0833 F	0838		
Lab ID	883863470	886983111	Units	Reference
Prolactin (Roche)	H 701	H 657	mIU/L	(85-500)
%Recovery	55		%	

Comments on Collection 01/05/23 0838:
Previous Prolactin result(s) noted, including measurement reported following polyethylene glycol (PEG) separation. The post-PEG recovery of 40-60% obtained is consistent with the presence of monomeric Prolactin together with an oligomeric/macro- Prolactin component. Please note that the presence of oligomeric/macro- Prolactin does not exclude pituitary pathology for which further investigation(s) may be indicated.

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Prol(s), Coags(c), FBC(e)
Tests Pending : RF(s), ANA(s), ENA Screen(s)
Sample Pending :

GRUNOW, KATHARINA
UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
Phone: 0424689089
Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
Your Reference: 842051780056 Lab Reference: 886983111-C-_RF
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: _RF
Requested: 20/01/2023 Collected: 01/05/2023 Reported: 02/05/2023
04:10

Clinical notes: INFERTILITY ?CAUSE

Clinical Notes : INFERTILITY ?CAUSE

Rheumatoid Factor (Quantitative)
(Architect Method)

Rheumatoid Factor (RF) <6 IU/mL (<16)

Comment on Lab ID 886983111

NATA Accreditation No 2178

Tests Completed: RF(s), LFT(s), C(s), UCreat(s), E(s), Prol(s), Coags(c), FBC(e)
Tests Pending : ANA(s), ENA Screen(s)
Sample Pending :

GRUNOW, KATHARINA
UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
Phone: 0424689089
Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
Your Reference: 842051780056 Lab Reference: 886983111-I-ENA
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: ENA
Requested: 20/01/2023 Collected: 01/05/2023 Reported: 02/05/2023
12:40

Clinical notes: INFERTILITY ?CAUSE

Clinical Notes : INFERTILITY ?CAUSE

Antibodies to Extractable Nuclear Antigen (ENA)

SS-A 60	Not detected
SS-B	Not detected
Ro-52	Not detected
Scl-70	Not detected
Jo-1	Not detected
Cenp-B	Not detected
Sm	Not detected
RNP	Not detected
Ribo-P	Not detected

NATA Accreditation No 2178

Tests Completed: RF(s), LFT(s), C(s), UCreat(s), E(s), Prol(s), Coags(c),
FBC(e), ENA Screen(s)
Tests Pending : ANA(s)
Sample Pending :

GRUNOW, KATHARINA
UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
Phone: 0424689089
Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
Your Reference: 842051780056 Lab Reference: 886983111-I-ANA
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: ANA(s)
Requested: 20/01/2023 Collected: 01/05/2023 Reported: 02/05/2023
14:40

Clinical notes: INFERTILITY ?CAUSE

Clinical Notes : INFERTILITY ?CAUSE

Antinuclear Antibodies

ANA * Detected
Titre, Pattern 80 Speckled

Comment on Lab ID 886983111

Screening titre - 1:80

SPECKLED staining patterns occur with Sjogren's syndrome, lupus, mixed connective tissue disease, scleroderma and occasionally other inflammatory disorders. ENA testing may be useful.

NATA Accreditation No 2178

Tests Completed: RF(s), LFT(s), C(s), UCreat(s), E(s), Prol(s), Coags(c),
FBC(e), ANA(s), ENA Screen(s)

Tests Pending :

Sample Pending :

GRUNOW, KATHARINA
 UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
 Phone: 0424689089
 Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
 Your Reference: Lab Reference: 886983487-H- HAEM VIRTUAL
 Laboratory: Douglass Hanly Moir Pathology eOrder
 Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: Haematology
 Requested: 08/05/2023 Collected: 08/05/2023 Reported: 08/05/2023
 12:10

Clinical notes: INFERTILITY ? CAUSE

Clinical Notes : INFERTILITY ? CAUSE

HAEMATOLOGY

Date	05/10/18	13/01/23	01/05/23	08/05/23		
Time F-Fast	0819 F	0833 F	0838	0829		
Lab ID	262535144	883863470	886983111	886983487	Units	Reference
Haemoglobin	139	132	131	132	g/L	(119-160)
RCC	4.3	4.2	4.1	4.2	x10 ¹² /L	(3.8-5.8)
Haematocrit (0.35-0.48)	0.40	0.39	0.39	0.39		
MCV	95	94	94	93	fL	(80-100)
MCH (27.0-32.0)	H 32.7	31.7	31.6	31.6	pg	
MCHC	344	337	339	338	g/L	(310-360)
RDW (10.0-15.0)	12.1	12.4	11.7	12.1		
WCC	4.0	L 3.4	L 3.7	L 3.9	x10 ⁹ /L	(4.0-11.0)
Neutrophils	L 1.83	L 1.54	L 1.93	L 1.93	x10 ⁹ /L	(2.0-7.5)
Lymphocytes	1.35	1.45	1.35	1.43	x10 ⁹ /L	(1.0-4.0)
Monocytes	0.49	0.33	0.35	0.38	x10 ⁹ /L	(0.0-1.0)
Eosinophils	0.16	0.04	0.05	0.05	x10 ⁹ /L	(0.0-0.5)
Basophils	0.12	0.07	0.05	0.06	x10 ⁹ /L	(0.0-0.3)
NRBC	<1.0	<1.0	<1.0	<1.0	/100 WBC	(<1)
Platelets	263	153	174	164	x10 ⁹ /L	(150-450)

Comments on Collection 08/05/23 0829:
 Persistent neutropenia.

NATA Accreditation No 2178

Tests Completed: FBC(e)

Tests Pending : RF(s), LFT(s), C(s), UCreat(s), E(s), Prol(s), Coags(c),
 ANA(s), ENA Screen(s)

Sample Pending :

GRUNOW, KATHARINA
UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
Phone: 0424689089
Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
Your Reference: Lab Reference: 886983487-F-COAG
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: Coags(c)
Requested: 08/05/2023 Collected: 08/05/2023 Reported: 08/05/2023
12:40

Clinical notes: INFERTILITY ? CAUSE

Clinical Notes : INFERTILITY ? CAUSE

Coagulation Studies

PT	11	s	(9 - 13)
INR	1.0		(0.9 - 1.2)
APTT	26	s	(20 - 32)
Thrombin Time	16	s	(15 - 22)
Fibrinogen	2.2	g/L	(1.5 - 4.2)

Comment on Lab ID 886983487

Coagulation studies are within reference limits.

NATA Accreditation No 2178

Tests Completed: Coags(c), FBC(e)
Tests Pending : RF(s), LFT(s), C(s), UCreat(s), E(s), Prol(s), ANA(s), ENA Screen(s)
Sample Pending :

GRUNOW, KATHARINA
 UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
 Phone: 0424689089
 Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
 Your Reference: Lab Reference: 886983487-C-Biochemistry
 Laboratory: Douglass Hanly Moir Pathology eOrder
 Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: Biochemistry
 Requested: 08/05/2023 Collected: 08/05/2023 Reported: 08/05/2023
 17:10

Clinical notes: INFERTILITY ? CAUSE

Clinical Notes : INFERTILITY ? CAUSE

BIOCHEMISTRY

Date	05/10/18	13/01/23	01/05/23	08/05/23		
Time F-Fast	0819 F	0833 F	0838	0829		
Lab ID	262535144	883863470	886983111	886983487	Units	Reference
Sodium	139	140	136	140	mmol/L	(135-145)
Potassium	4.3	4.8	4.1	4.3	mmol/L	(3.5-5.5)
Chloride	100	106	104	105	mmol/L	(95-110)
Bicarbonate	27	27	23	22	mmol/L	(20-32)
Urea	2.8	3.1	3.2	4.1	mmol/L	(2.5-7.0)
Creatinine	55	65	60	60	umol/L	(45-85)
eGFR	>90	>90	>90	>90	mL/min/1.73m2	(>59)
Bili.Total	6	12	10	12	umol/L	(3-15)
ALP	H 108	43	42	41	U/L	(20-105)
GGT	20	11	10	12	U/L	(5-35)
LD	156	122	L 109	123	U/L	(120-250)
AST	25	14	14	14	U/L	(10-35)
ALT	30	13	10	12	U/L	(5-30)
Total Protein	71	74	69	76	g/L	(68-85)
Albumin	44	H 49	43	48	g/L	(37-48)
Globulin	27	25	26	28	g/L	(23-39)

Comments on Collection 08/05/23 0829:
 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), Coags(c), FBC(e)
 Tests Pending : RF(s), Prol(s), ANA(s), ENA Screen(s)
 Sample Pending :

GRUNOW, KATHARINA
UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
Phone: 0424689089
Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
Your Reference: Lab Reference: 886983487-C-_RF
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: _RF
Requested: 08/05/2023 Collected: 08/05/2023 Reported: 08/05/2023
17:40

Clinical notes: INFERTILITY ? CAUSE

Clinical Notes : INFERTILITY ? CAUSE

RHEUMATOID FACTOR

Date	01/05/23	08/05/23		
Time	0838	0829		
Lab ID	886983111	886983487	Units	Reference
Rheumatoid Factor	<6	<6	IU/mL	(<16)

NATA Accreditation No 2178

Tests Completed: RF(s), LFT(s), C(s), UCreat(s), E(s), Prol(s), Coags(c), FBC(e)
Tests Pending : ANA(s), ENA Screen(s)
Sample Pending :

GRUNOW, KATHARINA
UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
Phone: 0424689089
Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
Your Reference: Lab Reference: 886983487-E-PROL
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: Prol(s)
Requested: 08/05/2023 Collected: 08/05/2023 Reported: 08/05/2023
17:40

Clinical notes: INFERTILITY ? CAUSE

Clinical Notes : INFERTILITY ? CAUSE

Date	13/01/23	01/05/23	08/05/23		
Time F-Fast	0833 F	0838	0829		
Lab ID	883863470	886983111	886983487	Units	Reference
Prolactin (Roche)	H 701	H 657	272	mIU/L	(85-500)
%Recovery	55			%	

NATA Accreditation No 2178

Tests Completed: RF(s), LFT(s), C(s), UCreat(s), E(s), Prol(s), Coags(c), FBC(e)
Tests Pending : ANA(s), ENA Screen(s)
Sample Pending :

GRUNOW, KATHARINA
UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
Phone: 0424689089
Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
Your Reference: Lab Reference: 886983487-I-ENA
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: ENA
Requested: 08/05/2023 Collected: 08/05/2023 Reported: 08/05/2023
23:10

Clinical notes: INFERTILITY ? CAUSE

Clinical Notes : INFERTILITY ? CAUSE

Antibodies to Extractable Nuclear Antigen (ENA)

SS-A 60	Not detected
SS-B	Not detected
Ro-52	Not detected
Scl-70	Not detected
Jo-1	Not detected
Cenp-B	Not detected
Sm	Not detected
RNP	Not detected
Ribo-P	Not detected

NATA Accreditation No 2178

Tests Completed: RF(s), LFT(s), C(s), UCreat(s), E(s), Prol(s), Coags(c),
FBC(e), ENA Screen(s)
Tests Pending : ANA(s)
Sample Pending :

GRUNOW, KATHARINA
UNIT 50 / 2 BOUVARDIA ST, ASQUITH. 2077
Phone: 0424689089
Birthdate: 26/12/1983 Sex: F Medicare Number: 2677699086
Your Reference: Lab Reference: 886983487-I-ANA
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR ELLEN PATON Referred by: DR ELLEN PATON

Name of Test: ANA(s)
Requested: 08/05/2023 Collected: 08/05/2023 Reported: 09/05/2023
13:10

Clinical notes: INFERTILITY ? CAUSE

Clinical Notes : INFERTILITY ? CAUSE

Antinuclear Antibodies

ANA * Detected
Titre, Pattern 80 Speckled

Comment on Lab ID 886983487

Screening titre - 1:80

SPECKLED staining patterns occur with Sjogren's syndrome, lupus, mixed connective tissue disease, scleroderma and occasionally other inflammatory disorders. ENA testing may be useful.

NATA Accreditation No 2178

Tests Completed: RF(s), LFT(s), C(s), UCreat(s), E(s), Prol(s), Coags(c),
FBC(e), ANA(s), ENA Screen(s)
Tests Pending :
Sample Pending :