

26114-0202

Lab ID
Patient ID P000060
Ext ID 26114-0202

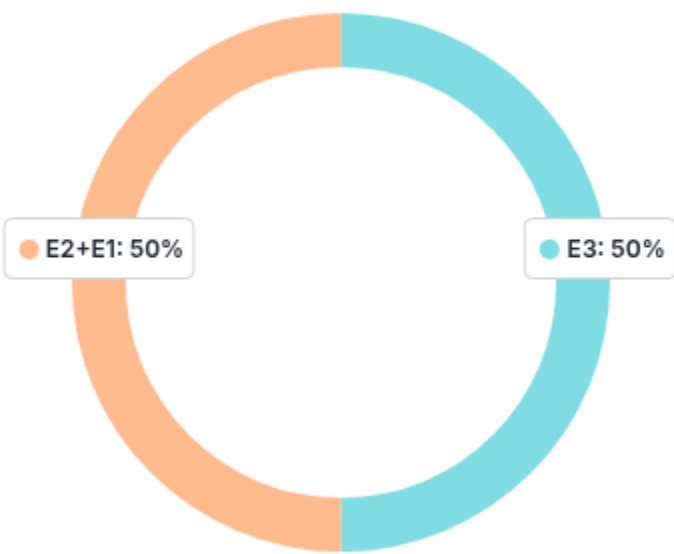
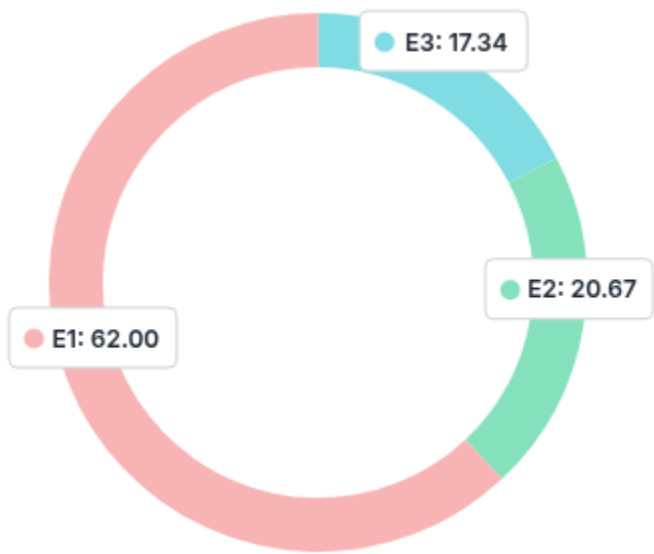
Sex: Female • 56yrs • 01-Jan-70
123 Home Street, Test Suburb VIC 3125

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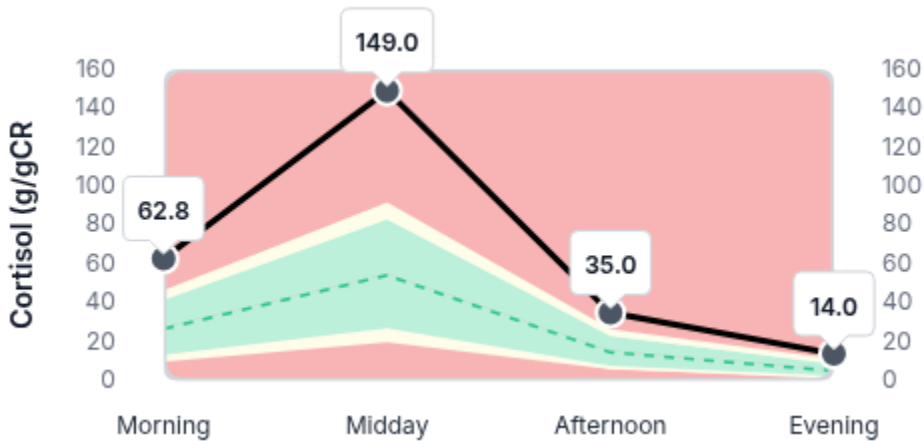
Collected

01-Mar-25 07.50am, 12.20pm, 04.40pm, 08.40pm

SERVICE	RESULT	H/L	REFERENCE	UNITS
Estradiol (E2)	0.87		(0.60-1.80)	ug/gCR
Progesterone (serum equivalent)	2.60		(1.46-17.00)	ng/mL
Testosterone	3.81		(0.95-4.20)	ug/gCR



SERVICE	RESULT	H/L	REFERENCE	UNITS
Cortisol, Morning	62.80	H	(10.00-45.00)	ug/gCR
Cortisol, Midday	149.00	H	(20.00-90.00)	ug/gCR
Cortisol, Afternoon	35.00	H	(6.00-25.00)	ug/gCR
Cortisol, Evening	14.00	H	(2.00-10.00)	ug/gCR



SERVICE	RESULT	H/L		REFERENCE	UNITS
Total Cortisol	36.32	H		(10.00-35.00)	ug/gCR
Tetrahydrocortisol (THF)	294			(160-560)	ug/gCR
DHEA Prod'n (DHEA+Androst+Etioch)	1789.37			(500.00-3000.00)	ug/gCR
Metabolised Cortisol (THF + THE)	1025			(700-1700)	ug/gCR



Dr Test Doctor (Test Doctor) Test Clinic. 123 Test Street, Test Suburb Victoria 3125

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PRIMARY ESTROGENS

SERVICE	RESULT	H/L		REFERENCE	UNITS
Estradiol (E2)	0.87			(0.60-1.80)	ug/gCR
Estrone (E1)	2.61			(2.10-5.50)	ug/gCR
Estriol (E3)	0.73			(0.70-2.10)	ug/gCR
Estrogen Quotient - E3/[E2+E1]	0.21	L		(>0.25)	ratio

ESTROGEN METABOLISM - Phase 1

SERVICE	RESULT	H/L		REFERENCE	UNITS
2-OH Estradiol	1.30	H		(0.20-0.75)	ug/gCR
2-OH Estrone	3.25	H		(0.60-2.60)	ug/gCR
4-OH Estradiol	0.13			(0.08-0.20)	ug/gCR
4-OH Estrone	0.20			(0.17-0.47)	ug/gCR
16-OH Estrone	0.36			(0.30-1.10)	ug/gCR
2-OH(E1+E2)/16-OHE1	12.64	H		(1.20-5.60)	ratio

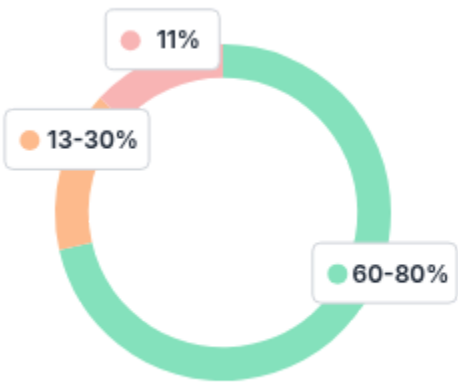
ESTROGEN METABOLISM - Phase 2

SERVICE	RESULT	H/L		REFERENCE	UNITS
2-MeOH Estradiol	0.12	H		(0.02-0.10)	ug/gCR
2-MeOH Estrone	0.77	H		(0.20-0.75)	ug/gCR
4-MeOH Estradiol	0.07	H		(<0.05)	ug/gCR
4-MeOH Estrone	0.03			(<0.05)	ug/gCR
2-MeOH E1/2-OH E1	0.24			(0.16-0.45)	ratio
4-MeOH E2/4-OH E2	0.54	H		(0.05-0.35)	ratio
4-MeOH E1/4-OH E1	0.15			(0.03-0.18)	ratio

Metabolism Ph1 %
(Hydroxylation)



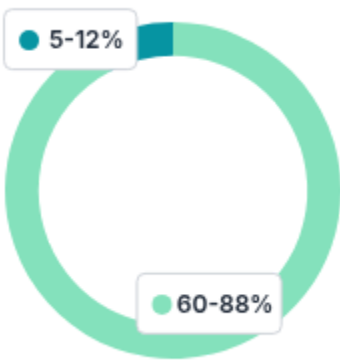
Healthy Ph1 %
Metabolism

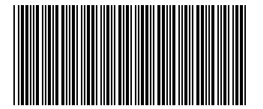


Metabolism Ph2 %
(Methylation)



Healthy Ph2 %
Metabolism





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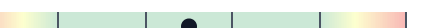
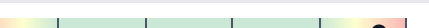
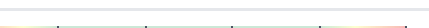
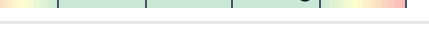
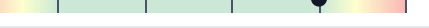
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ENDOCRINE DISRUPTORS

Service	Result	H/L		Reference	Units
Bisphenol A (BPA)	2.00			(<4.00)	ug/gCR
Polyfluoroalkyl Substances (PFAS)	0.40			(<0.70)	ug/gCR
Perfluorooctanoic Acid (PFOA)	0.00			(<0.10)	ug/gCR
Perfluorooctane Sulphonic Acid (PFOS)	0.00			(<0.60)	ug/gCR
Aluminium	1.90			(<14.00)	ug/gCR
Arsenic	32.00	H		(<26.50)	ug/gCR
Cadmium	0.50			(<0.60)	ug/gCR
Chromium	2.60			(<4.60)	ug/gCR
Lead	3.80			(<38.60)	ug/gCR
Mercury	29.0	H		(<17.9)	ug/gCR
Nickel	0.70			(<1.23)	ug/gCR

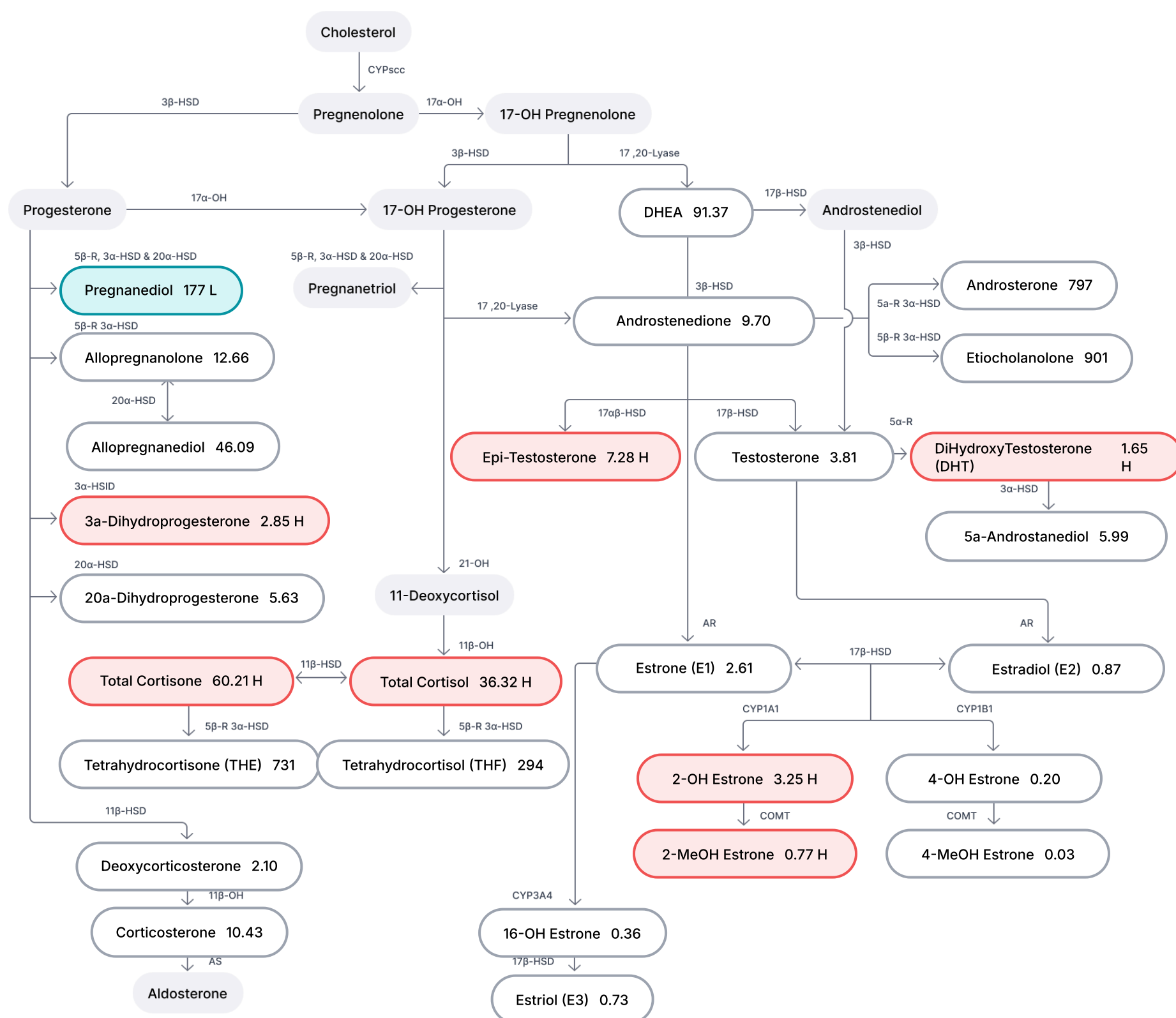
PROGESTERONE METABOLISM

SERVICE	RESULT	H/L		REFERENCE	UNITS
Pregnanediol	177	L		(400-1650)	ug/gCR
Allopregnanolone	12.66			(2.10-15.00)	ug/gCR
Allopregnanediol	46.09			(14.00-78.00)	ug/gCR
3a-Dihydroprogesterone	2.85	H		(0.50-2.50)	ug/gCR
20a-Dihydroprogesterone	5.63			(3.00-11.60)	ug/gCR
Deoxycorticosterone	2.10			(0.60-2.30)	ug/gCR
Corticosterone	10.43			(3.00-11.00)	ug/gCR
Pregnanediol/Estradiol	203	L		(500-1500)	ratio

PRIMARY ANDROGENS

Service	Result	H/L		Reference	Units
DHEA	91.37			(15.00-135.00)	ug/gCR
DHEA-S	68.0			(30.0-350.0)	ug/gCR
Androstenedione	9.70			(3.50-14.50)	ug/gCR
Androsterone	797			(220-980)	ug/gCR
Etiocholanolone	901			(300-1005)	ug/gCR
Testosterone	3.81			(0.95-4.20)	ug/gCR
Epi-Testosterone	7.28	H		(1.90-4.80)	ug/gCR
DiHydroxyTestosterone (DHT)	1.65	H		(0.25-1.60)	ug/gCR
5a-Androstanediol	5.99			(2.50-13.50)	ug/gCR

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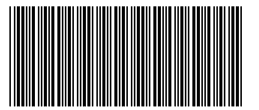


Enzyme	5 α -R	5 α -Reductase	3 α -HSD	3 α -Hydroxysteroid dehydrogenase	AR	Aromatase
Abbreviations	5 β -R	5 β -Reductase	3 β -HSD	3 β -Hydroxysteroid dehydrogenase	AS	Aldosterone Synthase
	11 β -oH	11 β -Hydroxylase	11 β -HSD	11 β Hydroxysteroid dehydrogenase	CYP	Cytochrome p450 (scc, 1A1, 1B1 & 3A4)
	17 α -OH	17 α -Hydroxylase	17 α -HSD	17 α -Hydroxysteroid dehydrogenase	COMT	Catechol-O-Methyl-Transferase
	17,20-Lyase	Same enzyme as 17 α -OH	17 β -HSD	17 β -Hydroxysteroid dehydrogenase		
	21-OH	21-Hydroxylase	20 α -HSD	20 α -Hydroxysteroid dehydrogenase		

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Time Period	Industrial (%)	Residential (%)	Commercial (%)
Morning	~15.0	~30.0	14.0
Midday	~40.0	~25.0	5.6
Afternoon	~48.0	~5.0	0.4
Evening	~48.0	~10.0	1.1



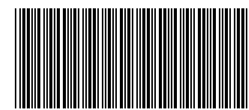


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