

Comprehensive *ULTIMATE* Hormone Profile

Doctor ID 6055		Patient Name Jane Doe HOLD		
Age 46	Sex F	Date of Birth 10/16/1963	Accession # 1500	Test Code 4100
Date Collected		Date Received	Date Reported	
			Tech RL	
Comments External ID: A12365				

Doctor Name and Address:

Sample Reports

Fax:

Phone:

		Amount Excreted in 24hrs	Adult Reference Range			
CREATININE		0.8 gm/24hr	0.5-2.0 gm/24hr			
TOTAL VOLUME		1800 mL				
STEROID	Amount Excreted in µg/24hr	Phase	Day	Female µg/24hr		
ESTRONE	22.4	Luteal	17-26	3.3 - 44.6 *		
		Follicular	27-11	2.0 - 39		
		Mid-Cycle	12-16	11.0 - 46		
		Post Menopausal		1.0 - 7.0		
ESTRADIOL	4.5	Luteal	17-26	1.4 - 12.2 *		
		Follicular	27-11	1.0 - 23		
		Mid-Cycle	12-16	4.0 - 45		
		Post Menopausal		0 - 4		
ESTRIOL	7.4	Luteal	17-26	6.1 - 32.4 *		
		Follicular	27-11	3.0 - 48		
		Mid-Cycle	12-16	20 - 130		
		Post Menopausal		0 - 30		
Total Estrogens		34.3	Luteal	17-26	10.8 - 89.2 *	
			Follicular	27-11	7.0 - 110	
			Mid-Cycle	12-16	38 - 221	
			Post Menopausal		0 - 41	
Estrogen Quotient		0.3	Estriol / (estrone + estradiol)		>1.0	
2-OH ESTRONE	< 0.25	LOW	Luteal	17-26	3.8 - 38.1 *	
			Post Menopausal		0.2 - 5.4 *	
16α-OH ESTRONE	Below Detection Limit		Luteal	17-26	2.1 - 7.9 *	
			Post Menopausal		0.15 - 3.5 *	
2 / 16α Ratio		Not Calculated	Luteal	17-26	1.8 - 5.5 *	
			Post Menopausal		0.6 - 5.0 *	
4-OH ESTRONE	< 0.25	LOW	Luteal	17-26	0.8 - 5.9	
			Post Menopausal		0.05 - 1.1	
2-METHOXYESTRONE	< 0.25	LOW	Luteal	17-26	2.2 - 14.4 *	
			Post Menopausal		0.3 - 4.1	
2-METHOXYESTRADIOL	< 0.1		Luteal	17-26	0.1 - 2.2 *	
			Post Menopausal		0.03 - 0.54	

Comprehensive ULTIMATE Hormone Profile

Patient Name: Jane Doe HOLD

Accession #: 1500 Test ID 419973 Test Code: 4100

Adult Reference Range

STEROID	Amount Excreted in µg/24hr		Female µg/24hr
PREGNANEDIOL (progesterone metabolite)	590	Luteal Follicular Post Menopausal	1450 - 6140 * 0 - 2500 200 - 1000
DHEA	185		100 - 2000
TESTOSTERONE	7.4		5.0 - 35.0
5α-ANDROSTANEDIOL	90.0	HIGH	3.0 - 35.0
5β-ANDROSTANEDIOL	135.0		13.0 - 180.0
ANDROSTERONE	1547		500 - 3200
ETIOCHOLANOLONE	1491		500 - 5000
PREGNANETRIOL	564		100 -1500
CORTISONE (E)	92		31-209
CORTISOL (F)	50		30-170
TETRAHYDROCORTISONE (THE)	1733		1700-4200
ALLO-TETRAHYDROCORTISOL (5α-THF)	515		400-2100
TETRAHYDROCORTISOL (THF)	696	LOW	900-2600
11β-HYDROXYANDROSTERONE	315	LOW	398-1471
11β-HYDROXYETIOCHOLANOLONE	360		153-827
ALDOSTERONE	15.0		Normal Diet: 6.0-25.0 Low Salt: 17.0-44.0 High Salt: 0.0-6.0
ALLO-TETRAHYDROCORTICOSTERONE (5α-THB)	270		130-600
TETRAHYDROCORTICOSTERONE (THB)	103		30-240
11-DEHYDROTETRAHYDROCORTICOSTERONE (THA)	32	LOW	62-293

* Reference range revised based on recent reference range study (September 28, 2006)

Comprehensive *ULTIMATE* Hormone Profile

Doctor ID 6055		Patient Name Jane Doe HOLD		
Age 46	Sex F	Date of Birth 10/16/1963	Accession # 1500	Test Code 4100
Date Collected	Date Received	Date Reported	Tech RL	
Comments		External ID: A12365		

Doctor Name and Address:

Sample Reports

Fax:

Phone:

Urinary HGH	Amount Excreted in pg/24hr	Adult Reference Range
Human Growth Hormone	2652	1065 - 4722 pg/24hr

Urinary Oxytocin	Amount Excreted in pmol/24hr	Adult Reference Range
Oxytocin	215 Low	250 - 700 pmol/24hr

Urinary Melatonin Analytes	Amount Excreted	Adult Reference Range
Melatonin	33.1	9.1 - 57.3 ng/24hr
6-Sulfatoxymelatonin	5.8 Low	8.3 - 39.7 µg/24hr

Urinary Thyroid	Amount Excreted in ng/24hr	Adult Reference Range ng/24hr
Free T3	396 Low	470 - 1750
Free T4	524	430 - 3200

Urinary Mineral	Amount Excreted in mmol/24h	Adult Reference Range mmol/24hr
Sodium	86	40 - 220
Potassium	41	25 - 150
Sodium/Potassium Ratio	2.1	1.2 - 4.8

Patient Name: Jane Doe HOLD

Accession #: 1500 *Test ID* 419973 *Test Code:* 4100

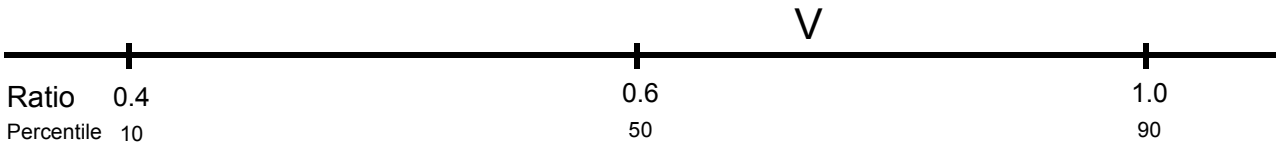
ENZYME ACTIVITY PHENOTYPE ASSESSMENT

5- α -REDUCTASE

Androsterone/Etiocholanolone Ratio: 1.04



Allo-tetrahydrocortisol/tetrahydrocortisol Ratio: 0.74



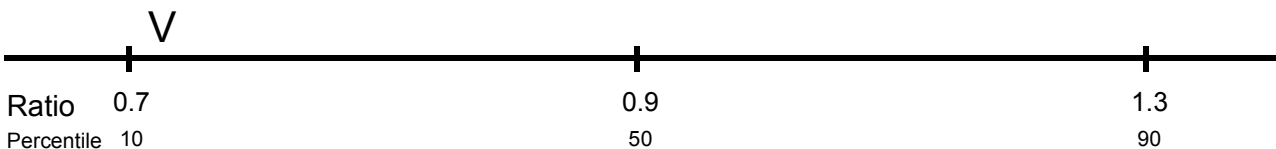
Elevated 5- α -reductase activity is associated with polycystic ovary syndrome and hirsutism in women, benign prostate hypertrophy and premature baldness in men, and obesity and insulin resistance in both genders. Low 5- α -reductase activity may result in reduced conversion of testosterone to DHT and undervirilization in males.

11- β -hydroxysteroid dehydrogenase I &II

Cortisol/Cortisone Ratio: 0.54



Tetrahydrocortisol+allo-tetrahydrocortisol/Tetrahydrocortisone Ratio: 0.70



Low ratios are associated with obesity and insulin resistance

Elevated ratios are associated with low-renin hypertension, high dose licorice, and cortisol administration.