

Physician:
Patient: Sample Report
24-Hr Urine Vol:

Accession #:
Sex: F
Age: 38

Collected: 02/15/2009
Received: 02/17/2009
Completed:

Tested Hormones	Result	Low	Normal	High	Reference Range†	
Estrogens & Metabolites						
Estrone (E1)	13.2		13.2		≤ 61.9	μg/24 hrs
Estradiol (E2)	0.9		0.9		≤ 10.2	μg/24 hrs
Estriol (E3)	9.0		9.0		≤ 38.2	μg/24 hrs
2-Hydroxyestrone (2-OHE1)	5.9		5.9		1.8 - 129.3	μg/24 hrs
4-Hydroxyestrone (4-OHE1)	2.5		2.5		≤ 336.2	μg/24 hrs
2-Methoxyestrone (2-ME1)	25.4		25.4		≤ 134.0	μg/24 hrs
4-Methoxyestrone (4-ME1)	17.3		17.3		≤ 168.5	μg/24 hrs
16α-Hydroxyestrone (16α-OHE1)	7.3		7.3		1.7 - 20.0	μg/24 hrs
Ratios						
2:16α-OHE1	0.80		0.80		≥ 1.90	
2-ME1:2-OHE1	4.3		4.3		≤ 12.7	
4-ME1:4-OHE1	6.95		6.95		≤ 7.36	
Estriol Quotient E3 / (E1 + E2)	0.64		0.64		≥ 1.00	
Progesterone & Metabolites						
Progesterone (P)	112.8		112.8		≤ 381.1	μg/24 hrs
Pregnanediol (P2)	1288		1288		121 - 5376	μg/24 hrs
17-Hydroxysteroids (Glucocorticoids)						
Pregnanetriol (P3)	331		331		11 - 1191	μg/24 hrs
Allo-Tetrahydrocortisol (αTHF)	389.6		389.6		5.0 - 430.2	μg/24 hrs
Tetrahydrodeoxycortisol (THS)	33.9		33.9		4.8 - 110.0	μg/24 hrs
Tetrahydrocortisone (THE)	1936		1936		519 - 5800	μg/24 hrs
Tetrahydrocortisol (THF)	19		19		26 - 1973	μg/24 hrs
17-Hydroxysteroids Total* (P3 + αTHF + THS + THE + THF)	2710		2710		604 - 9038	μg/24 hrs
Cortisol (CSOL)	79.6		79.6		6.0 - 277.9	μg/24 hrs
Cortisone (CSON)	105.6		105.6		23.1 - 466.1	μg/24 hrs

*Total value is the sum of all measurable parts.

†Reference ranges are gender specific and, for females, are partitioned by pre- and postmenopausal status. Reference ranges are updated periodically.

US BioTek Laboratories has developed and determined the performance characteristics of this test. This test is not intended to diagnose, treat, or prevent any disease or replace the medical advice and/or treatment obtained from a qualified healthcare practitioner. This test has not been evaluated by the U.S. Food and Drug Administration. The analytes on the panel are subject to change without notice.

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Ratios					
α THF / THF	19.72				0.02 - 1.44
(THF + α THF) / THE	0.21		0.21		0.05 - 0.95
Mineralocorticoids					
Tetrahydrocorticosterone (THB)	53.6		53.6		11.6 - 252.6 μ g/24 hrs
Tetrahydro-11-dehydrocorticosterone (THA)	78.5		78.5		25.2 - 249.8 μ g/24 hrs
17-Ketosteroids (Androgens)					
Androsterone (A)	348		348		156 - 1841 μ g/24 hrs
Etiocholanolone (E)	720		720		384 - 3288 μ g/24 hrs
Dehydroepiandrosterone (DHEA)	57.4		57.4		22.6 - 342.6 μ g/24 hrs
11-Ketoandrosterone (11-KA)	15.4		15.4		3.0 - 46.2 μ g/24 hrs
11-Ketoetiocholanolone (11-KE)	351		351		30 - 1056 μ g/24 hrs
11 β -Hydroxyandrosterone (11 β -HA)	171.2		171.2		70.8 - 669.5 μ g/24 hrs
11 β -Hydroxyetiocholanolone (11 β -HE)	240.0		240.0		15.1 - 863.9 μ g/24 hrs
17-Ketosteroids Total* (A + E + DHEA + 11-KA + 11-KE + 11 β -HA + 11 β -HE)	1903		1903		930 - 7194 μ g/24 hrs
Testosterone (T)	2.1		2.1		\leq 236.7 μ g/24 hrs
Dihydrotestosterone (DHT)	222.4				6.2 - 203.1 μ g/24 hrs
Androstenediol (ADIOL)	9.2		9.2		5.5 - 95.4 μ g/24 hrs
Androstenedione (ADION)	32.8		32.8		\leq 198.3 μ g/24 hrs
Ratios					
A / E	0.48		0.48		0.22 - 1.29

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