



Accession # 00204386

Sample Female Report
123 A Street
Sometown, CA 90266

Hormone Metabolite Assessment

Ordering physician:
Precision Analytical

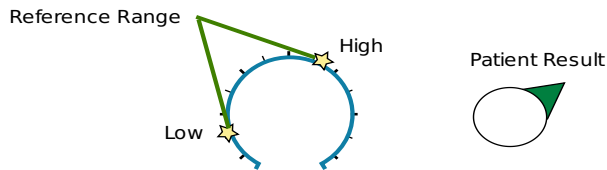
DOB:1976-01-01
Gender: Female

Collection Times:
2014-08-01 05:00PM
2014-08-01 11:00PM
2014-08-02 06:00AM
2014-08-02 08:00AM

Category	Test	Result	Units	Normal Range
Progesterone Metabolism				
	β-Pregnanediol	Below range	98.0	ng/mg 265 - 1612
	α-Pregnanediol	Below range	16.0	ng/mg 65 - 518
Androgen Metabolism				
	DHEAS	Low end of range	48.0	ng/mg 23 - 252
	Androsterone	Above range	1988.0	ng/mg 399 - 1364
	Etiocholanolone	High end of range	760.0	ng/mg 371 - 765
	Testosterone	Within range	10.6	ng/mg 5.5 - 17.8
	5α-DHT	Above range	9.2	ng/mg 3.7 - 8.8
	5α-Androstanediol	Above range	120.9	ng/mg 22 - 66
	5β-Androstanediol	High end of range	30.0	ng/mg 6 - 32
	Epi-Testosterone	Above range	34.7	ng/mg 4.5 - 22.3
Estrogen Metabolites				
	Estrone(E1)	Above range	28.4	ng/mg 14 - 27.1
	Estradiol(E2)	Above range	5.0	ng/mg 2 - 4.9
	Estriol(E3)	Above range	30.0	ng/mg 5.6 - 23
	2-OH-E1	Below range	4.1	ng/mg 4.6 - 14.4
	4-OH-E1	High end of range	1.6	ng/mg 0 - 1.8
	16-OH-E1	Above range	4.8	ng/mg 1.3 - 4.6
	2-Methoxy-E1	Below range	0.7	ng/mg 2.9 - 5.9
	2-OH-E2	Low end of range	0.5	ng/mg 0.4 - 1.2

Normal Ranges	Luteal	Postmenopausal	Follicular	Ovulatory
Estrone (E1)	14-27.1	1.3-6.7	4.0-12.0	22-68
Estradiol (E2)	2.0-4.9	0.2-0.8	1.0-2.0	4.0-12.0
Estriol (E3)	5.6-23	0.8-3.7	N/A	N/A
2-OH-E1	4.6-14.4	0.4-1.9	N/A	N/A
4-OH-E1	0-1.8	0-0.3	N/A	N/A
16-OH-E1	1.3-4.6	0.1-0.6	N/A	N/A
2-Methoxy-E1	2.9-5.9	0.2-1.0	N/A	N/A
a-Pregnanediol	80-518	5.0-34	25-100	25-100
b-Pregnanediol	400-1400	28-135	100-300	100-300

HOW TO READ YOUR RESULTS: Hormones are presented on this page graphically in the order the body metabolizes them. Arrows represent conversion from one hormone to another. The stars represent the low and high limits of the reference ranges (see example, right). The number in the middle is your result.



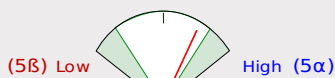
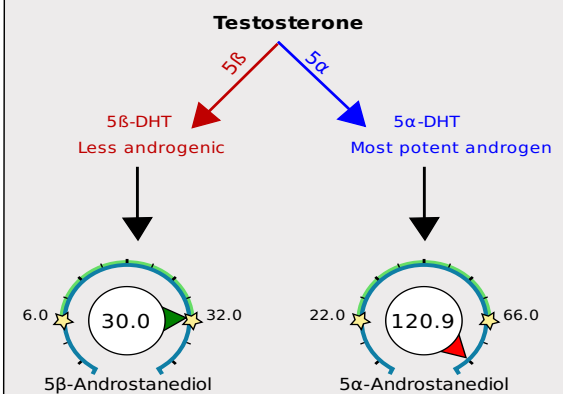
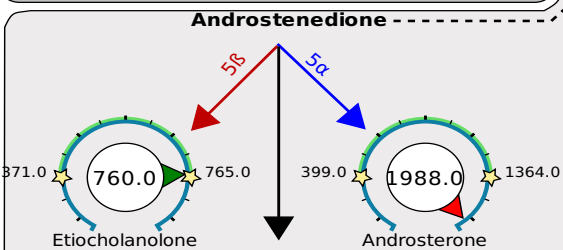
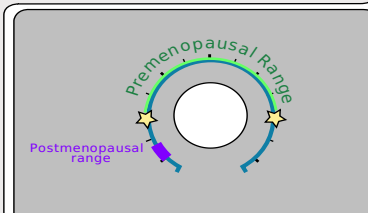
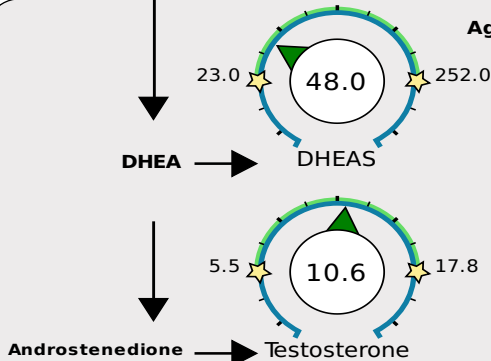
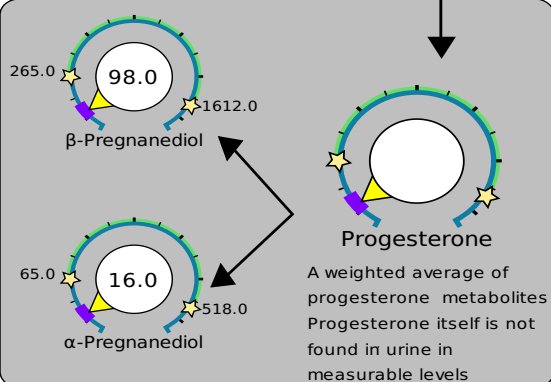
Progesterone Metabolism female

Pregnenolone

Androgen Metabolism

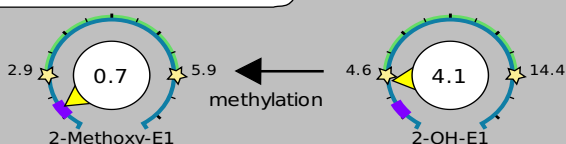
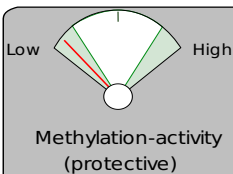
Age-Dependent DHEAS Ranges

Age	DHEAS
20-40	30-350
40-60	10-100
>60	5-50

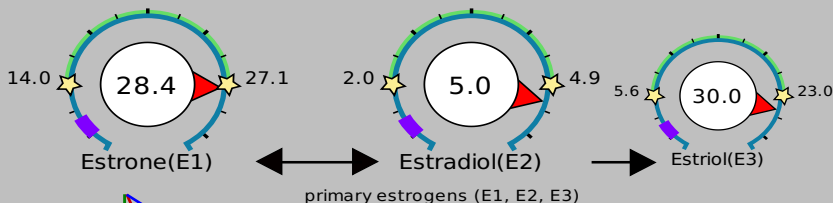


5a-Reductase Activity

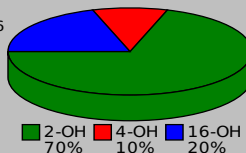
5a-Reductase Activity is an overall score of the 5a (more androgenic) vs. 5b (less androgenic) metabolites of androstenedione and testosterone.



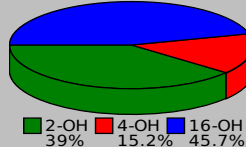
Estrogen Metabolism



Normal Estrogen Metabolism

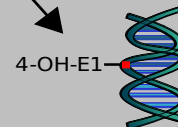


Patient Estrogen Metabolism



protective pathway

4-Methoxy-E1 (Protective, but not enough in urine to measure)



If not methylated, 4-OH-E1 can bind to and damage DNA