

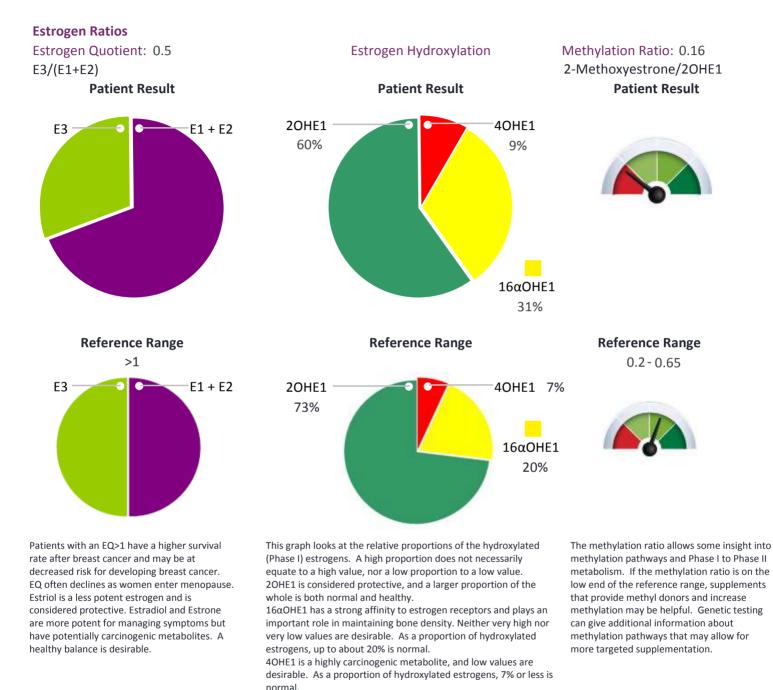
## **ComprehensivePLUS Hormone Profile**

Accession #:

Test Code: **4080** 

Patient Name:

**Estrogen Ratios** 



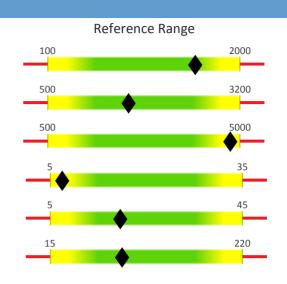
 
 Progesterone
 μg/24hr
 Reference Ranges

 5β-Pregnanediol (progesterone metabolite)
 16044
 H

# **ComprehensivePLUS Hormone Profile**

•		
Accession #:	Test Code: <b>4080</b>	
Patient Name:		
Androgens		
	μg/24hr	
DHEA	1557	
Androsterone	1635	
Etiocholanolone	4772	
Testosterone	6.9	
5α-Androstanediol	19.6	

91.7

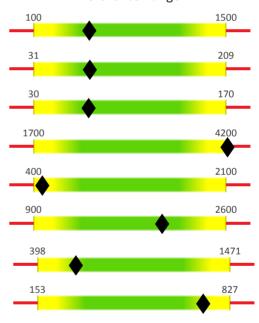


#### **Glucocorticoids**

5β-Androstanediol

	µg/24hr
Pregnanetriol	505
Cortisone (E)	83
Cortisol (F)	70
Tetrahydrocortisone (THE)	4219 H
Allo-Tetrahydrocortisol (5α-THF)	477
Tetrahydrocortisol (THF)	2035
11β-Hydroxyandrosterone	611
11β-Hydroxyetiocholanolone	733





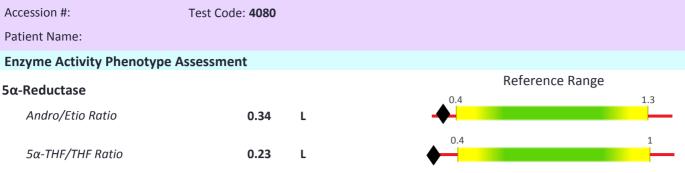
## Mineralcorticoids

Aldosterone	4.7		µg/24hr
Allo-Tetrahydrocorticosterone (5 $\alpha$ -THB)	184		
Tetrahydrocorticosterone (THB)	372	н	
11-Dehydrotetrahydrocorticosterone (THA)	333	н	

Reference Range



# **ComprehensivePLUS Hormone Profile**



Elevated  $5\alpha$ -reductase activity is associated with Polycystic Ovarian Syndrome (PCOS) and hirsutism in women, Benign Prostatic Hyperplasia (BPH) and premature baldness in men, and obesity and insulin resistance in both genders. Low  $5\alpha$ -reductase activity may result in reduced conversion of testosterone to DHT and undervirilization in males.

0.5

0.9

### 11β-HSD II (11β-hydroxysteroid dehydrogenase II)

#### Cortisol/Cortisone Ratio (118-HSD II) 0.84

11 $\beta$ -HSD II is predominantly a renal enzyme. It inactivates cortisol in order to prevent competitive binding to mineralocorticoid receptors. Its activity can be measured by the ratio of cortisol/cortisone. An elevated ratio (toward right on the graph) indicates suppressed enzyme activity, and may be clinically related to stress, hypertension, high dose licorice, cortisol administration, or insulin resistance.

Other Analytes								
Thyroid								
Free T3	418	ng/24hr	300					
Free T4	583	ng/24hr	450	2000				
Minerals								
Sodium	65	mmol/24hr	40	220				
Potassium	44	mmol/24hr	25	150				
Sodium/Potassium Ratio	1.5		1.2	4.8				
Organic Acids								
Kynurenic	1.5	mg/24hr	1.38	3.98				
Xanthurenic	0.53	mg/24hr	0.39	1.34				