



## Adrenal Steroid Profile

<i>Doctor ID</i> 6206		<i>Patient Name</i> Doe, Jane		
<i>Age</i> 44	<i>Sex</i> F	<i>Date of Birth</i>	<i>Accession #</i> 5001	<i>Test Code</i> 4000
<i>Date Collected</i> 2/2/2014	<i>Date Received</i> 2/3/2014	<i>Date Reported</i> 2/10/2014	<i>Tech</i> RL	
<i>Comments</i>				

*Doctor Name and Address:*

Sample Report

Fax:

Phone:

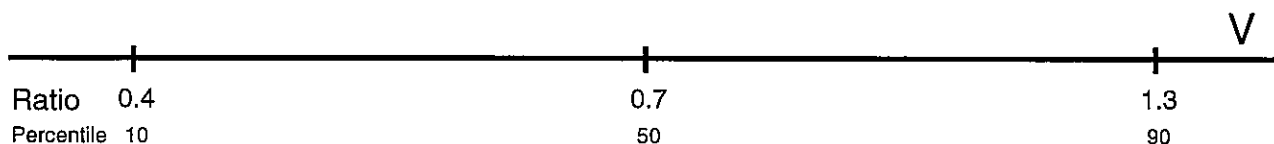
	Amount Excreted in 24hrs	Adult Reference Range
<b>CREATININE</b>	0.2 gm/24hr <b>LOW</b>	0.5-2.0 gm/24hr
<b>TOTAL VOLUME</b>	1500 mL	
	If Creatinine Value is out of normal range, results may be affected.	
<b>STEROID</b>	Amount Excreted in µg/24hr	<b>Female</b> µg/24hr
DHEA	1458	100 - 2000
ANDROSTERONE	4075 <b>HIGH</b>	500 - 3200
ETIOCHOLANOLONE	2828	500 - 5000
PREGNANETRIOL	188	100 -1500
CORTISONE	28 <b>LOW</b>	31-209
CORTISOL	14 <b>LOW</b>	30-170
TETRAHYDROCORTISONE	825 <b>LOW</b>	1700-4200
ALLO-TETRAHYDROCORTISOL	488	400-2100
TETRAHYDROCORTISOL	450 <b>LOW</b>	900-2600
ALDOSTERONE	7.5	Normal Diet: 6.0-25.0 Low Salt: 17.0-44.0 High Salt: 0.0-6.0
ALLO-TETRAHYDROCORTICOSTERONE	120 <b>LOW</b>	130-600
TETRAHYDROCORTICOSTERONE	28 <b>LOW</b>	30-240

*Patient Name:* Doe, Jane  
*Accession #:* 5001      *Test ID* 525910 *Test Code:* 4000

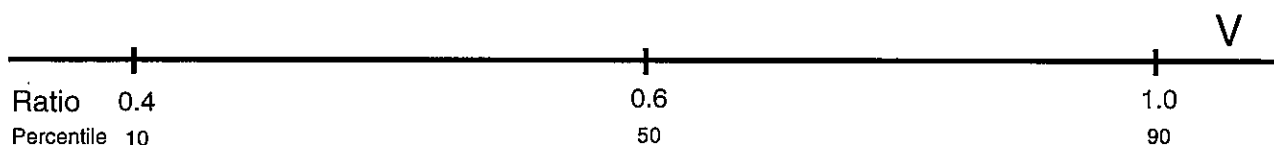
## ENZYME ACTIVITY PHENOTYPE ASSESSMENT

### 5- $\alpha$ -REDUCTASE

**Androsterone/Etiocholanolone Ratio: 1.44**



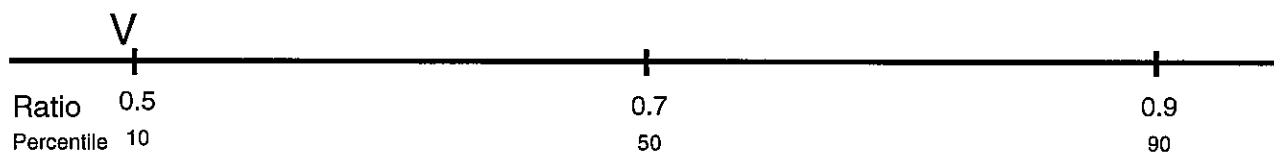
**Allo-tetrahydrocortisol/tetrahydrocortisol Ratio: 1.08**



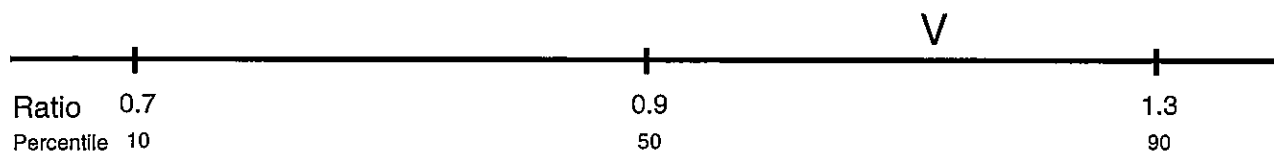
Elevated 5- $\alpha$ -reductase activity is associated with polycystic ovary syndrome and hirsutism in women, benign prostate hypertrophy and premature baldness in men, and obesity and insulin resistance in both genders. Low 5- $\alpha$ -reductase activity may result in reduced conversion of testosterone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

### 11- $\beta$ -hydroxysteroid dehydrogenase I & II

**Cortisol/Cortisone Ratio: 0.48**



**Tetrahydrocortisol+allo-tetrahydrocortisol/Tetrahydrocortisone Ratio: 1.14**



Low ratios are associated with obesity and insulin resistance

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