



**Report Number:**  
018111

**Provider:**  
Regenerus Laboratories  
Aero 14 Redhill Aerodrome Kings Mill Lane  
Redhill, Surrey RH1 5YP UNITED KINGDOM

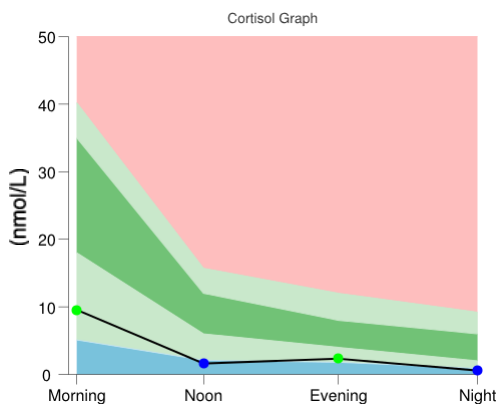
**Patient Info:**  
Sample Report

**Age:34 Gender:F**

**Menopausal Status:**  
Pre-Menopause

Sample Collection	Date/Time
Morning	11/22/2014 0645
Noon	11/22/2014 1400
Evening	11/22/2014 1545
Night	11/22/2014 2000
Samples Arrived	12/01/2014
Results Reported	12/03/2014

	Saliva Hormone Test	Result	Units	L	WR	H	Reference Range
HORMONES	Estrone (E1)		pg/ml				
	Estradiol (E2)		pg/ml				
	Estriol (E3)		pg/ml				
	EQ (E3 / (E1 + E2))						
	Progesterone (Pg)		pg/ml				
	Ratio of Pg/E2						
	Testosterone		pg/ml				
	DHT		pg/ml				
ADRENALS	DHEA	316.47	pg/ml			↑	106.0-300.0 female
	Cortisol Morning	9.55	nmol/L		◆		5.1-40.2; optimal range: 18-35*
	Cortisol Noon	1.61	nmol/L	↓			2.1-15.7; optimal range: 6-12*
	Cortisol Evening	2.32	nmol/L		◆		1.8-12; optimal range: 4-8*
	Cortisol Night	0.57	nmol/L	↓			0.9-9.2; optimal range: 2-6*



**Hormone Interpretations:**

- DHEA level is consistent with stress response or supplementation (not reported), although PCOS and metabolic syndrome cannot be ruled out. Serum vitamin D, fasting glucose and insulin testing may be warranted.
- Diurnal cortisol pattern and reported symptoms are consistent with evolving (Phase 2) adrenal gland dysfunction (hypoadrenia), although concomitant thyroid and/or iodine insufficiency cannot be ruled out.
- The reported symptoms are consistent with estrogen dominance; however the Pg/E2 ratio cannot be assessed without progesterone and estradiol levels. The current samples will be held 25 days from receipt for additional testing.

**Notes:**

L=Low(below range) WR=Within Range (within range) H=High (above range)

DHEA, Testosterone, Estrone and Estriol results are for investigational use only.

\*Apply only when all four cortisols are measured. Clinical interpretations may override these generalized optimal ref. ranges.

\*\*The Pg/E2 ratio is an optimal range established based on clinical observation. Progesterone supplementation is generally required to achieve this level in men and postmenopausal women.

**Adrenal Phase: 2**



*Jay H. Mead MD*

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