



Patient: **PATIENT  
SAMPLE**

DOB:

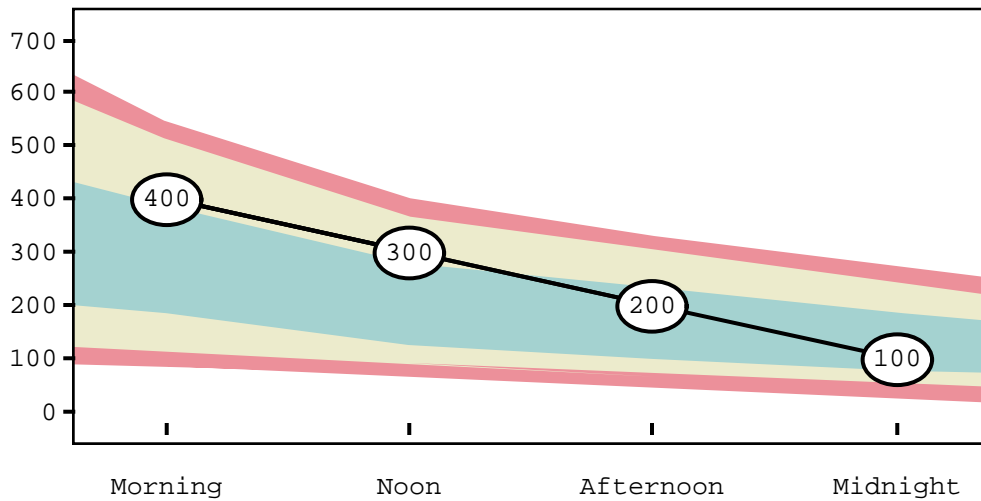
Sex:

MRN:

**4105 Male Hormones Plus**

Methodology: LIA

**Salivary Testosterone**



**Reference Range**

**Morning:** 110-513 pmol/L  
**Noon:** 89-362 pmol/L  
**Afternoon:** 66-304 pmol/L  
**Midnight:** 52-239 pmol/L

The Reference Range for each day is a statistical interval representing 95% or 2 Standard Deviations (2 S.D.) of the reference population. One Standard Deviation (1 S.D.) is a statistical interval representing 68% of the reference population. Values between 1 and 2 S.D. are not necessarily abnormal. Clinical Correlation is suggested.

Please note: Conversion calculation pg/ml=pmol/L / 3.47

**Commentary**

The performance characteristics of all assays have been verified by Genova Diagnostics, Inc. Unless otherwise noted with ♦, the assay has not been cleared by the U.S. Food and Drug Administration.

Commentary is provided to the practitioner for educational purposes, and should not be interpreted as diagnostic or as treatment recommendations. Diagnosis and treatment decisions are the practitioner's responsibility.

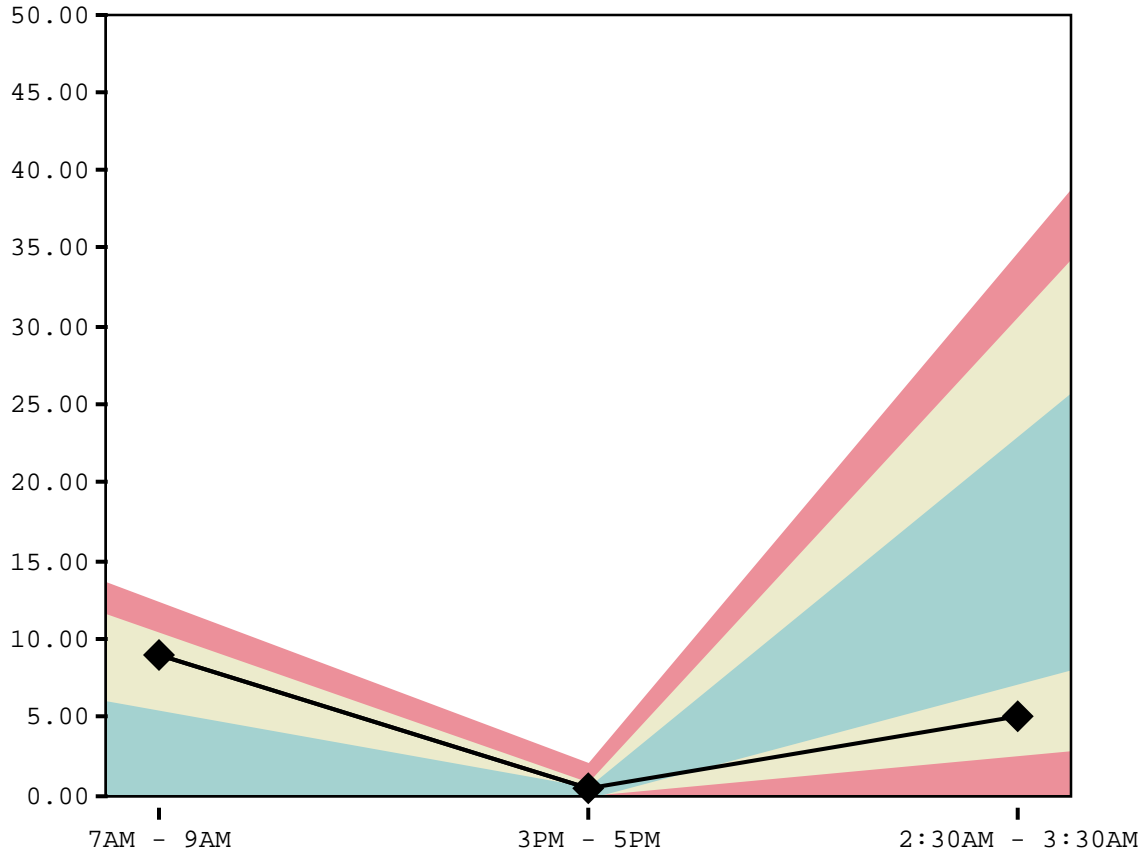
In the adult male, testosterone maintains the structure and function of the prostate, testes, seminal vesicles, and external male genitalia. In addition, testosterone affects lean body mass, bone density, hematopoiesis, libido and mood.

Testosterone levels are within reference range for all samples.



Methodology: RIA

**Salivary Melatonin**



**Results**

	7AM-9AM*	3PM-5PM*	2:30AM - 3:30AM*
<b>Patient Results (pg/mL) &gt;&gt;</b>	<b>9.00</b>	<b>0.50</b>	<b>5.00</b>
Reference Range (pg/mL)	<=10.50	<=0.88	2.53-30.67
*Based on Collection Times			

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Melatonin activity is normal throughout the sample period revealing a normal melatonin circadian rhythm.

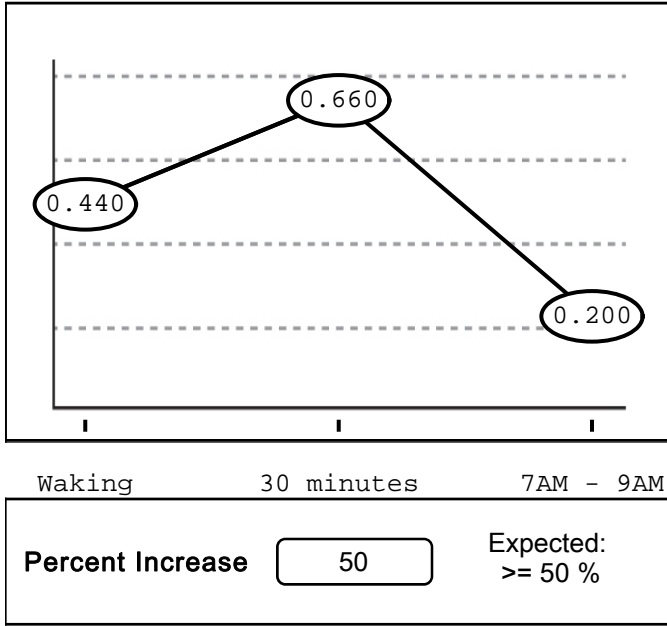
As well as playing a crucial role in sleep-wake cycles, melatonin influences other vital functions, including cardiovascular and antioxidant protection, endocrine function, immune regulation and body temperature.



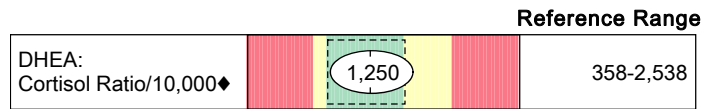
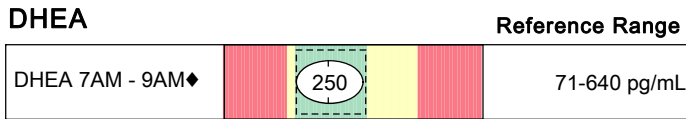
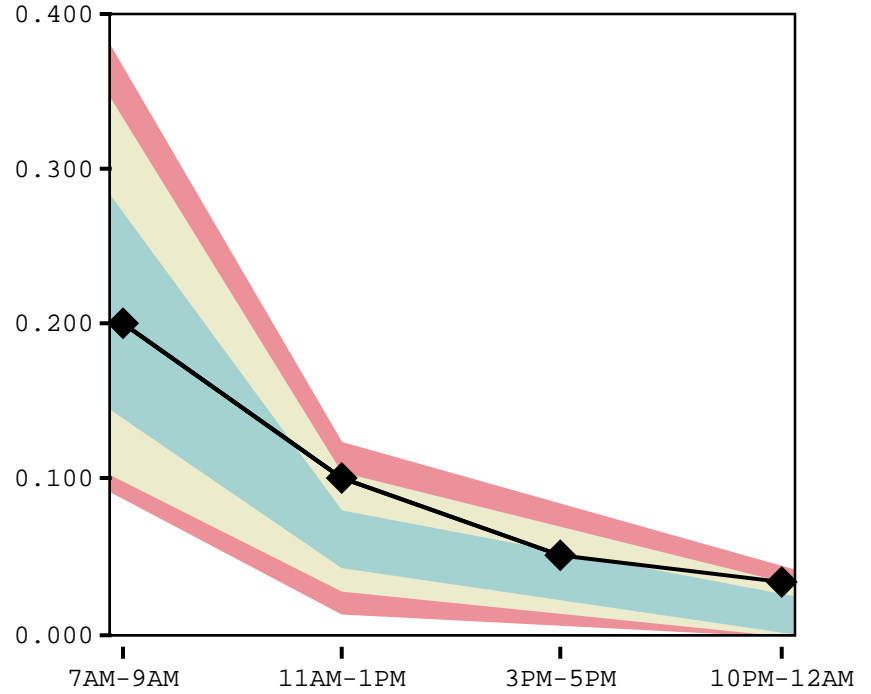
Methodology: EIA

## Salivary Cortisol, Cortisol Awakening Response, and DHEA

### Cortisol Awakening Response



### Salivary Cortisol



### Results

	Waking	30 Minutes	7AM-9AM*	11AM-1PM*	3PM-5PM*	10PM-12AM*
<b>Patient Result (mcg/dL) &gt;&gt;</b>	<b>0.440</b>	<b>0.660</b>	<b>0.200</b>	<b>0.100</b>	<b>0.050</b>	<b>0.033</b>
Reference Range (mcg/dL) <small>*Based on Collection Times</small>	N/A	N/A	0.097-0.337	0.027-0.106	0.013-0.068	$\leq 0.034$
Actual Collection Time	5:05AM	5:50AM	7:00AM	11:00AM	3:00PM	10:00PM

## Commentary

Please note the calculation for CAR has been updated.

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