



**TEST PATIENT**

Date of Birth : 01-Jan-1964  
 Sex : F  
 Collected : 09-Nov-2014

**Dr TEST DOCTOR**

Lab id :

**INTEGRATIVE MEDICINE**

URINE, SPOT

**Intermediate Neurotransmitter Profile**

Result	Range	Units	Visual Scale
<b>86.0</b>	43.0 - 173	mmol/molCr	

**Inhibitory Neurotransmitters**

<b>74.0</b>	47.6 - 140.3	ug/gCR	
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<b>119.0 *L</b>	167.0 - 463.0	ug/gCR	
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**Excitatory Neurotransmitters**

<b>1031.0 *L</b>	1213.0 - 4246.	ug/gCR	
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<b>11.4</b>	3.6 - 44.3	ug/gCR	
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<b>5.0</b>	3.6 - 38.8	ug/gCR	
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<b>137.0</b>	103.0 - 282.0	ug/gCR	
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<b>15.4</b>	10.0 - 35.7	ug/gCR	
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<b>1.0</b>	0.8 - 6.2	ug/gCR	
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**Adrenal Adaptation Index**

<b>15.4</b>	2.9 - 25.2	RATIO	
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**Optimal Ranges Table**

**Biomarker                      Adult Optimal Range (>11 Yrs)**

Serotonin                      100 - 215 ug/gCr

GABA                              400 - 600 ug/gCr

Glycine                            61 - 159 ug/gCr

Glutamate                      2520 - 3700 ug/gCr

Histamine                      5.2 - 15.3 ug/gCr

PEA                                5.3 - 16.1 ug/gCr

DOPAMINE                      200 - 330 ug/gCr

Noradrenaline                18.5 - 25.5 ug/gCr

Adrenaline                      1.4 - 4.2 ug/gCr

There are multiple factors that play roles in neurotransmitter levels (Lifestyle, receptors, meds, supplements, diet, stress, etc). The optimal reference ranges stated above have been determined/derived statistically from historical patient data. Historically, these levels were achieved in the majority of patients as they experienced symptom relief or improvement.



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**TREATMENT:**

Adrenal support may be beneficial to increase epinephrine levels.

**Creatinine, Urine Spot.**

**8.2**

8.0 - 19.0

mmol/L

