

Practitioner: John Arango, ND,

Lab Director: NORVELLE HARRIS MD FCAP

Patient DOB ID Age Sex Height Weight Acc# Date Collected Date Received Date Reported

ABNORMAL	TEST	RESULT	UNITS	RANGES
----------	------	--------	-------	--------

HPA 2 Profile

Metabolic Panel (by LC/MS/MS)

25.7	5-HTP	25.70	ug/g cr	94.50 --- 190.80
	Serotonin	266.30	ug/g cr	82.00 --- 350.10
6.4	L-DOPA	6.40	umol/g cr	16.40 --- 62.30
	Dopamine	231.20	ug/g cr	94.00 --- 420.00
	3-Methoxytyramine	41.70	ug/g cr	21.40 --- 65.00
	Serotonin/Dopamine Ratio	1.20	Units	0.49 --- 1.67
21.5	Norepinephrine	21.50	ug/g cr	21.70 --- 90.00
	Normetanephrine	51.00	ug/g cr	20.70 --- 207.80
3.4	Epinephrine	3.40	ug/g cr	3.84 --- 30.60
	Metanephrine	54.50	ug/g cr	16.60 --- 57.70
	Norepinephrine/Epinephrine Ratio	6.30	Units	4.39 --- 9.12
	Glutamic acid	21.30	umol/g cr	3.10 --- 42.40
6.9	GABA	6.90	umol/g cr	1.10 --- 5.54
64.9	Histamine (Free)	64.90	ug/g cr	19.70 --- 52.70
	Creatinine-Urine	63.90	mg/dl	5.00 --- 450.00

DHEA-S Panel (Saliva)

	DHEA-S 8AM	7.70	nmol/L	1.60 --- 18.50
17	DHEA-S 8PM	17.00	nmol/L	1.00 --- 10.50
	Note:[Results are confirmed by repeated analysis.]			
30	DHEA-S 12AM	30.00	nmol/L	0.80 --- 8.30
	Note:[>30 nmol/L, confirmed by repeated testing]			

Cortisol Panel (Saliva)

	Cortisol 8AM (LC/MS/MS)	9.80	nmol/L	5.50 --- 24.80
	Cortisol 12PM	8.40	nmol/L	3.80 --- 13.20
	Cortisol 4PM	4.60	nmol/L	2.20 --- 9.40
	Cortisol 8PM	4.10	nmol/L	1.60 --- 4.40
	Cortisol 12AM	2.50	nmol/L	0.80 --- 3.30
14.8	Cortisol 4AM	14.80	nmol/L	1.10 --- 9.40