

TEST REPORT

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Beaverton, OR 97008
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2018 06 10 300 U

Ordering Provider:
Getuwell Clinic

Samples Received
06/14/2018

Report Date
06/21/2018

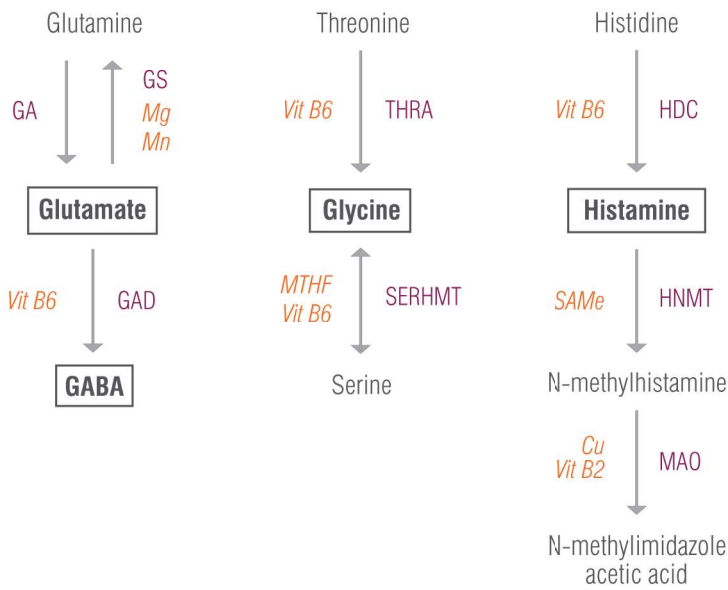
Samples Collected
Urine - 06/05/18 05:30
Urine - 06/05/18 07:30
Urine - 06/05/18 18:00
Urine - 06/05/18 22:00

Patient Name: Advanced Neurotransmitters
Patient Phone Number: 555 555 5555

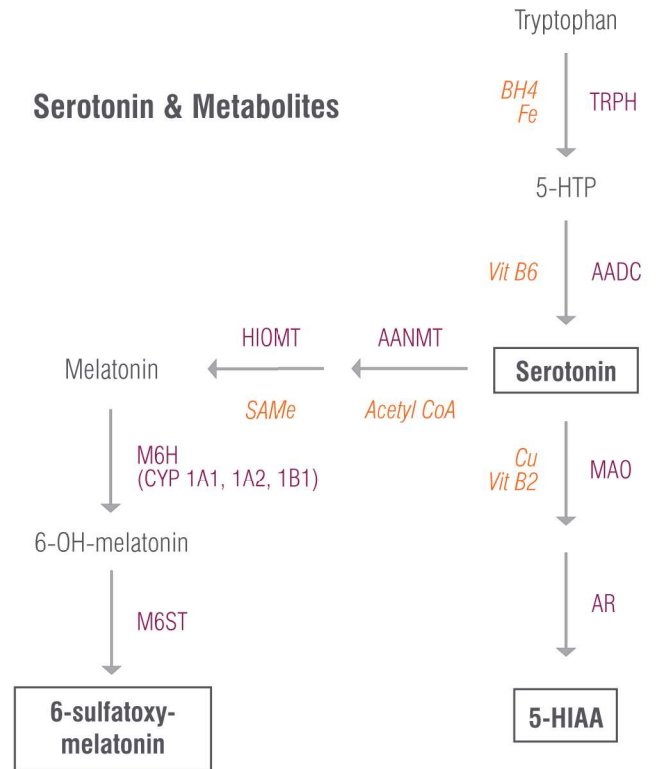
Gender Male	Height 5 ft 11 in	Waist 38 in
DOB 5/17/1958 (60 yrs)	Weight 200 lb	BMI 27.9

TEST NAME	RESULTS 06/05/18	RANGE
Urinary Inhibitory Neurotransmitters		
Serotonin	72.6	47.6-140.3 µg/g Cr (Optimal 61.0-103.2)
5-HIAA	3857	2205-11816 µg/g Cr (Optimal 2988-5850)
GABA	341	167-463 µg/g Cr (Optimal 193-367)
Glycine	56	41-295 mg/g Cr (Optimal 61-159)
Urinary Excitatory Neurotransmitters		
Glutamate	1436	1213-4246 µg/g Cr (Optimal 1515-2710)
Histamine	14.0	3.6-44.3 µg/g Cr (Optimal 5.2-15.3)
PEA	20.0	3.6-38.8 µg/g Cr (Optimal 5.3-16.1)
Dopamine	284 H	103-282 µg/g Cr (Optimal 144-240)
DOPAC	1575	495-2456 µg/g Cr (Optimal 658-1449)
HVA	6122	3025-9654 µg/g Cr (Optimal 3737-7048)
Norepinephrine (pooled)	21.8	10.0-35.7 µg/g Cr (Optimal 15.0-28.1)
Normetanephrine	18.1	13.4-44.8 µg/g Cr (Optimal 17.9-31.7)
Epinephrine (pooled)	3.3	0.8-6.2 µg/g Cr (Optimal 1.4-4.2)
Ratio: Norepi/Epi	6.6	2.9-25.2 (Optimal 5.2-13.7)
VMA	2849	1996-5939 µg/g Cr (Optimal 2580-4766)
Urinary Free Diurnal Cortisol		
Free Cortisol	57.28 H	7.8-29.5 µg/g Cr (1st Morning)

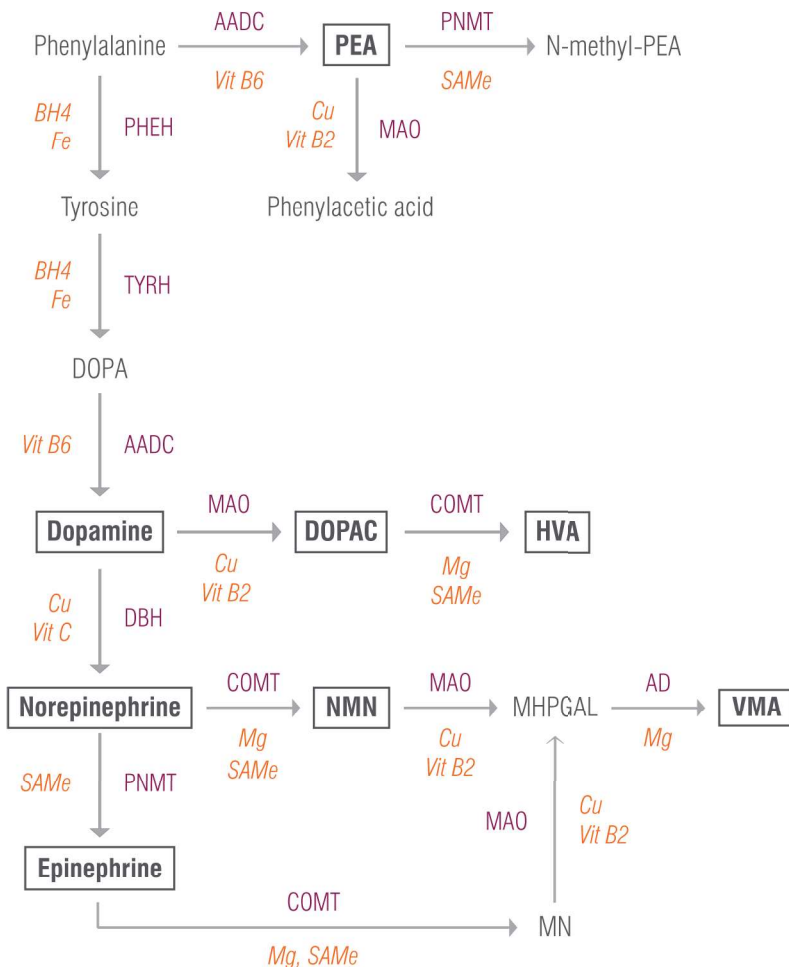
Glutamate/GABA, Glycine & Histamine



Serotonin & Metabolites



Catecholamines & Metabolites



Neurotransmitters & Metabolites:

HVA	homovanillic acid
NMN	normetanephrine
PEA	phenethylamine
VMA	vanillylmandelic acid
5-HIAA	5-hydroxyindole 3-acetic acid

Enzymes:

AADC	aromatic L-amino acid decarboxylase
AANMT	arylalkylamine N-methyltransferase
AD	aldehyde dehydrogenase
AR	aldehyde reductase
COMT	catechol-O-methyltransferase
DBH	dopamine beta hydroxylase
GA	glutaminase
GAD	glutamate decarboxylase
GS	glutamine synthetase
HDC	histidine decarboxylase
HIOMT	hydroxyindole-O-methyltransferase
HNMT	histamine N-methyltransferase
MAO	monoamine oxidase
M6H	melatonin 6 hydroxylase
M6ST	melatonin 6 sulfotransferase
PHEH	phenylalanine hydroxylase
PNMT	phenylethanolamine N-methyltransferase
SERHMT	serine hydroxymethyltransferase
THRA	threonine aldolase
TRPH	tryptophan hydroxylase
TYRH	tyrosine hydroxylase

Cofactors:

BH4	tetrahydrobiopterine
Cu	copper
Fe	iron
Mg	magnesium
Mn	manganese
MTHF	methyltetrahydrofolate
S-Adenosyl Methionine	S-adenosyl methionine