

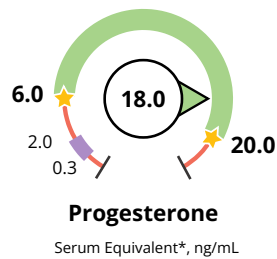
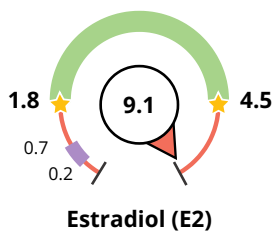
Collection Times:

2025-09-05 06:15AM (S)
2025-09-05 06:45AM (S)
2025-09-05 07:15AM (S)
2025-09-05 04:10PM (S)
2025-09-05 10:30PM (S)

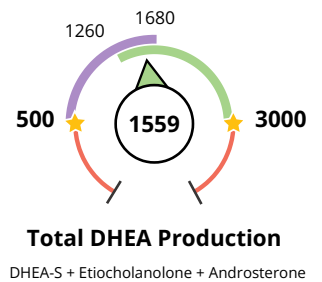
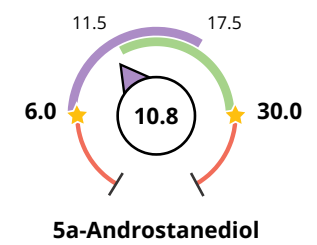
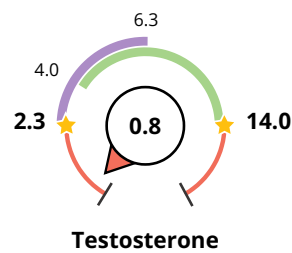
2025-09-05 06:30AM (U)
2025-09-05 08:45AM (U)
2025-09-05 04:30PM (U)
2025-09-05 10:35PM (U)

Hormone Testing Summary

ESTROGEN & PROGESTERONE

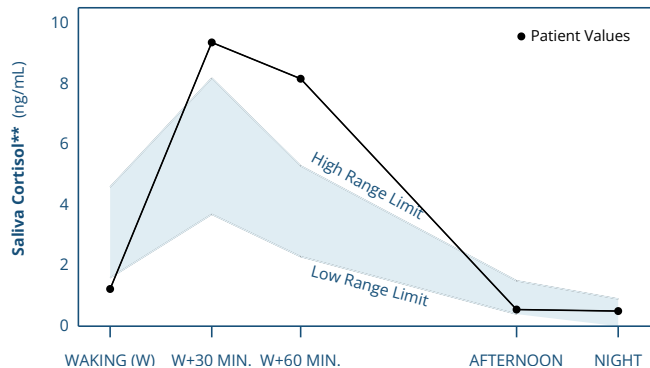


ANDROGENS



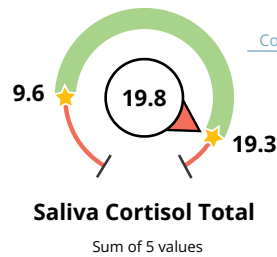
CORTISOL

Saliva Free Cortisol Pattern

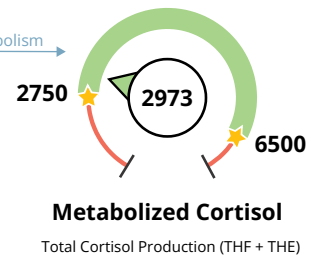


Cortisol Clearance Rate

$\frac{THF + THE}{Cortisol + Cortisone}$



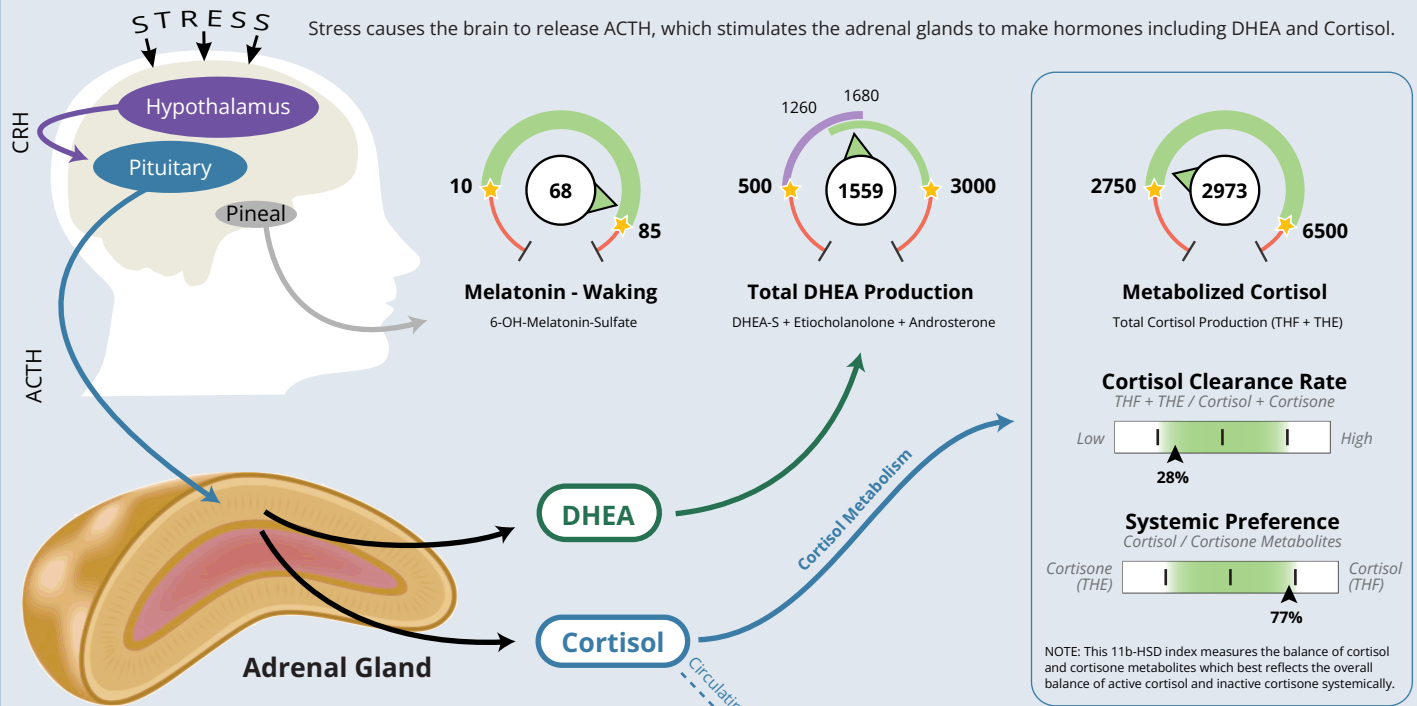
Cortisol Metabolism



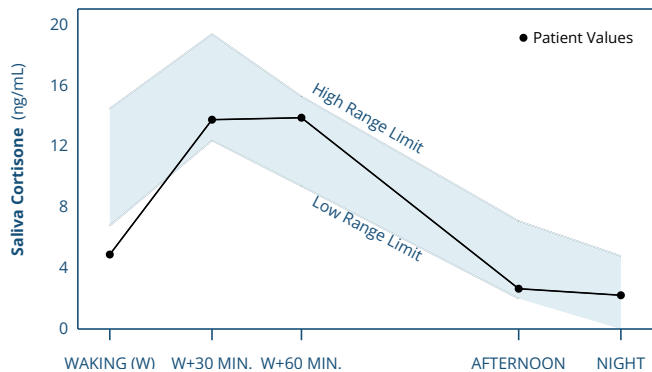
Adrenal Hormones & Metabolites

TEST		RESULT	UNITS	NORMAL RANGE
Free Cortisol and Cortisone (Saliva)				
Saliva Cortisol - Waking (W)	Below range	1.23	ng/mL	1.6 - 4.6
Saliva Cortisol - W+30 min.	Above range	9.38	ng/mL	3.7 - 8.2
Saliva Cortisol - W+60 min.	Above range	8.18	ng/mL	2.3 - 5.3
Saliva Cortisol - Afternoon	Low end of range	0.55	ng/mL	0.4 - 1.5
Saliva Cortisol - Night	Within range	0.50	ng/mL	0 - 0.9
Saliva Cortisone - Waking (W)	Below range	4.90	ng/mL	6.8 - 14.5
Saliva Cortisone - W+30 min.	Low end of range	13.77	ng/mL	12.4 - 19.4
Saliva Cortisone - W+60 min.	Within range	13.90	ng/mL	9.4 - 15.3
Saliva Cortisone - Afternoon	Low end of range	2.65	ng/mL	2 - 7.1
Saliva Cortisone - Night	Within range	2.22	ng/mL	0 - 4.8
Saliva Cortisol Total	Above range	19.83	ng/mL	9.6 - 19.3
Saliva Cortisone Total	Low end of range	37.44	ng/mL	36 - 55
Creatinine (Urine)				
Creatinine A - Waking	Within range	0.83	mg/ml	0.2 - 2
Creatinine B - Morning	Within range	0.43	mg/ml	0.2 - 2
Creatinine C - Afternoon	Within range	0.82	mg/ml	0.2 - 2
Creatinine D - Night	Within range	1.09	mg/ml	0.2 - 2
Cortisol Metabolites and DHEA-S (Urine)				
a-Tetrahydrocortisol (a-THF)	Within range	169.2	ng/mg	75 - 370
b-Tetrahydrocortisol (b-THF)	Low end of range	1270.4	ng/mg	1050 - 2500
b-Tetrahydrocortisone (b-THE)	Below range	1533.5	ng/mg	1550 - 3800
Metabolized Cortisol (THF + THE)	Low end of range	2973.0	ng/mg	2750 - 6500
DHEA-S	Within range	304.5	ng/mg	20 - 750
Cortisol Clearance Rate (CCR)	Low end of range	51.9		45 - 95
Additional Cortisol and Cortisone (Saliva)				
** Saliva Cortisol - Extra1	Above range	0.93	ng/mL	0 - 0.9
** Saliva Cortisone - Extra1	Within range	3.17	ng/mL	0 - 4.8

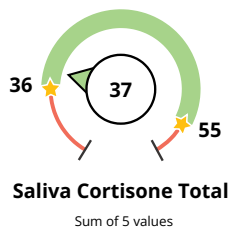
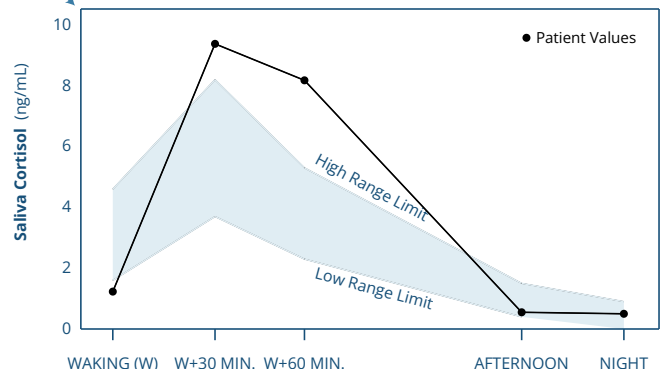
ADRENAL HORMONES & METABOLITES



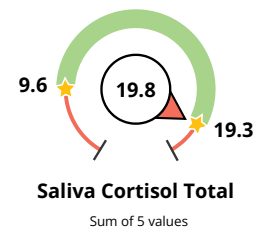
Saliva Free Cortisone Pattern



Saliva Free Cortisol Pattern



Cortisol and Cortisone interconvert (11β-HSD)



The Cortisol Awakening Response (CAR) is the rise in salivary cortisol between the waking sample and the sample collected 30 minutes later. This patient shows a waking cortisol of **1.23ng/mL** and an increase to **9.4ng/mL** after 30.0 minutes. This is an increase of **8.2ng/mL** or **663%**. Preliminary research shows that 50-160% or 1.5-4.0ng/mL increases are common with samples collected 30 minutes after waking. These guidelines are considered research only.

This patient shows a salivary cortisol of **8.2ng/mL** measured 60 minutes after waking. This is an increase of **6.9ng/mL** or **565%** compared to the waking sample. To date, data suggests that expected results may be 0-70%, and this guideline is considered for research only.

Organic Acid Tests (OATs)

TEST		RESULT	UNITS	NORMAL RANGE
Nutritional Organic Acids (Urine)				
Vitamin B12 Marker - May be deficient if high				
Methylmalonate (MMA)	Within range	1.7	ug/mg	0 - 2.5
Vitamin B6 Markers - May be deficient if high				
Xanthurenate	Within range	0.46	ug/mg	0.12 - 1.2
Kynurenate	Within range	2.4	ug/mg	0.8 - 4.5
Biotin Marker - May be deficient if high				
b-Hydroxyisovalerate	Within range	4.9	ug/mg	0 - 12.5
Glutathione Marker - May be deficient if low or high				
Pyroglutamate	Low end of range	29.3	ug/mg	28 - 58
Gut Marker - Potential gut putrefaction or dysbiosis if high				
Indican	Within range	28.5	ug/mg	0 - 100
Neuro-Related Markers (Urine)				
Dopamine Metabolite				
Homovanillate (HVA)	Within range	4.4	ug/mg	3 - 11
Norepinephrine/Epinephrine Metabolite				
Vanilmandelate (VMA)	Within range	2.7	ug/mg	2.2 - 5.5
Neuroinflammation Marker				
Quinolinate	Within range	5.5	ug/mg	0 - 9.6
Additional Markers (Urine)				
Melatonin - Waking				
6-OH-Melatonin-Sulfate	Within range	67.9	ng/mg	10 - 85
Oxidative Stress / DNA Damage				
8-Hydroxy-2-deoxyguanosine (8-OHdG)	Within range	0.8	ng/mg	0 - 5.2

Clinical Support Overview

