

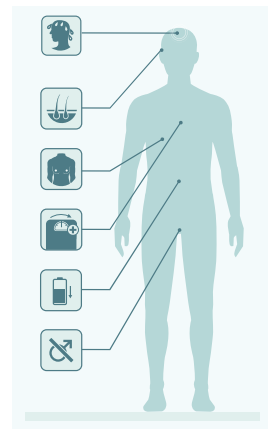
HORMONES PANEL



Which Patients Need the Vibrant Hormones Panel?

Conditions and Symptoms Associated with Hormonal Imbalances Include:

- | | | |
|---------------------------------------|--|---|
| <input type="checkbox"/> Hot flashes | <input type="checkbox"/> Memory lapse | <input type="checkbox"/> Erectile dysfunction |
| <input type="checkbox"/> Night sweats | <input type="checkbox"/> Sugar cravings | <input type="checkbox"/> Apathy/mood changes |
| <input type="checkbox"/> Headaches | <input type="checkbox"/> Weight gain | <input type="checkbox"/> Poor cognition |
| <input type="checkbox"/> Hair loss | <input type="checkbox"/> Dry, dull appearance of skin | <input type="checkbox"/> Brain fog |
| <input type="checkbox"/> Poor sleep | <input type="checkbox"/> Poor stamina | <input type="checkbox"/> Fatigue |
| <input type="checkbox"/> Anxiety | <input type="checkbox"/> Decreased muscle mass/strength | <input type="checkbox"/> Chronic Irritability |
| <input type="checkbox"/> Depression | <input type="checkbox"/> Neck/back pain | <input type="checkbox"/> Increased facial hair/acne |
| <input type="checkbox"/> Stress | <input type="checkbox"/> Decreased urinary flow (men) | <input type="checkbox"/> Irregular menstrual cycles |
| <input type="checkbox"/> Low libido | <input type="checkbox"/> Thinning hair, eyebrows, or eyelashes | |



Facts About Hormonal Imbalances

Hormones are essential chemical messengers which regulate routine processes in the body. Hormone imbalances can affect a wide range of body functions including:

- | | |
|---|--|
| <input checked="" type="checkbox"/> metabolism and appetite | <input checked="" type="checkbox"/> general growth and development |
| <input checked="" type="checkbox"/> heart rate | <input checked="" type="checkbox"/> mood and stress levels |
| <input checked="" type="checkbox"/> sleep cycles | <input checked="" type="checkbox"/> body temperature |
| <input checked="" type="checkbox"/> reproductive cycles and sexual function | |

All of these can negatively affect quality of life and may increase the risk for hormone-related diseases, including hormone-sensitive cancers.

A comprehensive assessment of individual hormones would provide patterns of imbalances in different hormones, while assessment of their metabolites would provide beneficial information on affected downstream pathways. This would help to treat underlying causes of hormone imbalances and identify disease risks associated with individual hormone metabolites.



Clinical Connections



Assessment of sex and adrenal hormones is critical to differentiate hormonal imbalance from other common conditions which have overlapping symptoms, such as: chronic infections, toxic exposures, GI malabsorption, hepatic detoxification problems, and metabolic disorders.



Hormones, especially adrenal hormones and sex hormones, are interconnected with neurotransmitters. An imbalance in adrenal and sex hormones could lead to neurotransmitter imbalances which could revert back to cause hormonal imbalances. Consider running a Vibrant Hormones panel alongside a Neurotransmitters panel for the most accurate assessment of causes of hormone imbalances and their connected neurotransmitter pathways.



The Vibrant Hormones panel is the most comprehensive panel available to assess the status of hormones in the human body. It eliminates the guesswork of determining root causes of generic and global symptoms and provides practitioners with a clear-cut picture of hormonal imbalances present.



What Does the Vibrant Hormones Panel Include?

Group	Hormone or Hormone metabolite	
Estrogens	Estradiol	4-OH Estrone
	Estrone	16 α -OH Estrone
	Estriol	2-MeO Estradiol
	Total Estrogen	2-MeO Estrone
	2-OH Estradiol	4-MeO Estradiol
	2-OH Estrone	4-MeO Estrone
	4-OH Estradiol	Bisphenol A
Androgens	DHEA	Etiocholanolone
	Testosterone	5 α -DHT
	Epi-Testosterone	5 α ,3 α -Androstanediol
	Androstenedione	5 β -Androstanediol
	Androsterone	DHEA-S
Progestogens	Progesterone	20 α Dihydroprogesterone
	Allopregnanolone	b-Pregnanediol
	Allopregnanediol	a-Pregnanediol
	3 α Dihydroprogesterone	
Glucocorticoids	Cortisol	b-Tetrahydrocortisone (b-THE)
	Cortisone	Deoxycorticosterone
	b-Tetrahydrocortisol (b-THF)	Corticosterone
	a-Tetrahydrocortisol (a-THF)	
Other	Melatonin	
	8-OHdG	

Regulatory Statement

The general wellness test intended uses relate to sustaining or offering general improvement to functions associated with a general state of health while making reference to diseases or conditions. This test has been laboratory developed and its performance characteristics determined by Vibrant Genomics LLC, a CLIA-certified laboratory performing the test. The test has not been cleared or approved by the U.S. Food and Drug Administration (FDA). Although FDA does not currently clear or approve laboratory-developed tests in the U.S., certification of the laboratory is required under CLIA to ensure the quality and validity of the tests.