



Hormones are chemical messengers that travel through the bloodstream to regulate organs throughout the body. Imbalances in female sex hormones can cause a range of symptoms and testing—based on a physician’s guidance—can measure estradiol, estriol, estrone and progesterone. Laboratories report each hormone level along with its normal reference range.

Estradiol

This hormone plays an important role in female reproduction. During menstruation, estradiol levels increase, causing the maturation and release of an egg and the thickening of the uterine lining in preparation for implantation of the fertilized egg. Estradiol levels decrease as a woman ages, especially during menopause.

Estriol

Estriol is a positive, mild-acting form of estrogen. It is measured to aid in the control of hormone replacement therapy in menopausal women.

Estrone

It is possible that low estrone levels may be linked to the development of osteoporosis and menopausal symptoms, as these are associated with too little of the estrogen hormone. Higher levels of estrone are found in postmenopausal women.

Progesterone

During the second half of the menstrual cycle, after ovulation, a woman’s body produces a temporary gland called the corpus luteum. This gland secretes progesterone, which prepares the uterine lining for the possibility of pregnancy. In the event of pregnancy, progesterone continues to support the blood supply to the uterus. Women who have low levels of progesterone may have abnormal menstrual cycles, difficulty conceiving, or be at increased risk for miscarriage or pre-term delivery.

Testosterone

Testosterone is an essential hormone that supports energy, muscle strength, mood and reproductive health in both men and women. In men, it plays a central role in sperm production and the development of male characteristics, while in women it contributes to bone health, libido and hormonal balance. Changes in testosterone levels may be linked to fatigue, reduced muscle mass, mood shifts, or reproductive symptoms, making monitoring an important part of evaluating hormonal well-being.

Products	
RE52631	Testosterone Saliva ELISA
RE52281	Progesterone Saliva ELISA
30121046	Estriol High Sensitive ELISA
30121045	17 β -Estradiol Saliva ELISA
RE52681	Estrone Saliva ELISA

References

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