

## **Estradiol**

Estradiol is the most important form of estrogen in the body. Mainly, it is produced in ovaries, adrenal glands and placenta. It stimulates the growth of uterus, fallopian tubes and vagina. Estradiol also helps the development of breast and external genitals. In women, estradiol plays a role in distribution of body fat.

### **Why the Estradiol test is performed?**

Test is used to monitor patients' condition during hypopituitarism. It is also performed when a woman is undergoing certain fertility treatment.

### **How the Test is Performed and How to Prepare for the Test?**

A blood sample is drawn from a vein. Some medications, like estrogen and oral contraceptives, may interfere with the test results.

### **What Do the Abnormal Results Mean?**

Higher-than-normal levels may indicate ovarian cancer.

Lower-than-normal levels may be due to:

- Turner syndrome
- Ovarian failure
- Estrogen deficiency, caused by rapid loss of body weight and decreased fat tissue

### **Alternative Names**

E2