



Estrone (E1)

A Critical Link in Hormonal Harmony & Menopausal Wellness

What is Estrone?

Estrone (E1) is one of the three primary types of estrogen, a hormone critical for regulating reproductive health and secondary sexual characteristics. Unlike estradiol (E2), which is more biologically active, estrone acts as a weaker estrogen that can convert into other forms depending on the body's needs. Estrone is primarily produced in the ovaries, adrenal glands, and adipose (fat) tissue. It plays a pivotal role in hormonal regulation, particularly during menopause when its production compensates for decreased ovarian function.

Why Test for Estrone?

Testing estrone levels offers valuable insights into an individual's hormonal profile, assisting in diagnosing, monitoring, and managing conditions related to estrogen balance. Clinical applications include:

- Monitoring hormone replacement therapy (HRT) to ensure therapeutic effectiveness.
- Evaluating hormonal imbalances in peri- and postmenopausal women.
- Diagnosing estrogen-related disorders such as polycystic ovary syndrome (PCOS), endometriosis, or infertility.
- Assessing risks for hormone-sensitive cancers, including breast and endometrial cancers.

Clinical Significance of Estrone Levels:

•Low Estrone Levels:

May indicate menopause, ovarian insufficiency, or hypogonadism. Associated symptoms include fatigue, hot flashes, or reduced bone density, highlighting the need for targeted therapeutic interventions.



Because you deserve the best