

# Estrone

**CPT Code:** 82679

**Order Code:** 23244

**ABN Requirement:** No

**Synonyms:** E1

**Specimen:** Serum

**Volume:** 0.5 mL

**Minimum Volume:** 0.25 mL

**Container:** Red Top Tube (only)

## **Collection:**

1. Collect and label sample according to standard protocols.
2. Gently invert tube 10 times immediately after draw. DO NOT SHAKE.
3. Allow blood to clot 30 minutes.
4. Centrifuge for 10 minutes.
5. Aliquot serum into transfer tube.

**Special Instructions:** The patient's age and gender must be specified on the requisition.

**Transport:** Store serum at 2°C to 8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab shipping box.

## **Stability:**

**Room temperature:** 72 hours

**Refrigerated:** 30 days

**Frozen:** 30 days

**-70°C Degrees:** 1 year

**Causes for Rejection:** Serum Separator Tube; gross hemolysis

**Methodology:** Chromatography/Mass Spectrometry

**Turn Around Time:** 3 to 7 days

**Reference Range:**

Age	Male pg/mL	Female pg/mL
Pediatric, Pre-pubertal (1-9 years)	<10	≤34
10-11 years	≤12	≤72
12-14 years	≤28	≤75
15-17 years	≤64	≤188
Adult Female, Follicular Stage	na	10-138
Adult Female, Luteal Stage	na	16-173
Adult Female, Postmenopausal	na	≤65
Adult Male	≤68	na

**Clinical Significance:** Estrone is primarily derived from metabolism of androstenedione in peripheral tissues, especially adipose tissues. Individuals with obesity have increased conversion of androstenedione to estrone leading to higher concentrations. In addition, an increase in the ratio of estrone to estradiol may be useful in assessing menopause in women.

*The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.*