

---

**Reporting Title:** Estradiol Rapid, Immunoassay, S  
**Performing Location:** Rochester**Ordering Guidance:**

This assay is for reproductive assessment (eg, IVF, conception). For other clinical indications, order EEST / Estradiol, Serum.

The preferred method for measurement of low serum estradiol concentrations in children, males, and postmenopausal females is liquid chromatography-tandem mass spectrometry (LC-MS/MS), order EEST / Estradiol, Serum.

This test should not be used when monitoring estradiol concentrations in patients being treated with Fulvestrant due to possible cross-reactivity. In these patients, estradiol concentrations should be measured using mass spectrometry; order EEST / Estradiol, Serum.

**Specimen Requirements:**

**Patient Preparation:** For 12 hours before specimen collection do not take multivitamins or dietary supplements containing biotin (vitamin B7), which is commonly found in hair, skin, and nail supplements and multivitamins.

**Collection Container/Tube:**

Preferred: Serum gel

Acceptable: Red top

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 0.5 mL

**Collection Instructions:**

1. Serum gel tubes should be centrifuged within 2 hours of collection.
2. Red-top tubes should be centrifuged, and the serum aliquoted into a plastic vial within 2 hours of collection.

**Specimen Minimum Volume:**

0.4 mL

Specimen Type	Temperature	Time	Special Container
Serum	Frozen (preferred)	180 days	
	Refrigerated	5 days	
	Ambient	24 hours	

---

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
ESTS	Estradiol Rapid, Immunoassay, S	Numeric	pg/mL	2243-4

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code Information:**

82670

**Reference Values:**

Males: 10-40 pg/mL

Females

Premenopausal: 15-350 pg/mL\*

Postmenopausal: <10 pg/mL

\*Estradiol concentrations vary widely throughout the menstrual cycle