

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

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