

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, patient **should not** take multivitamins or dietary supplements (eg, hair, skin, and nail supplements) containing biotin (vitamin B7).
- Supplies:** Sarstedt Aliquot Tube, 5 mL (T914)
- Collection Container/Tube:**
- Preferred:** Serum gel
- Acceptable:** Red top
- Submission Container/Tube:** Plastic vial
- Specimen Volume:** 0.5 mL
- Collection Instructions:** Within 2 hours of collection, centrifuge and aliquot serum into a plastic vial.

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

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