

## TEST CHANGE

Estradiol (Adult Premenopausal Females or Individuals on Estrogen Hormone Therapy)

0070045, ESTRA

### Specimen Requirements:

#### Patient Preparation:

**Collect:** Serum Separator Tube (SST). Also acceptable: Green (Sodium or Lithium Heparin)

**Specimen Preparation:** Separate from cells ASAP or within 2 hours of collection. Transfer 1 mL serum or plasma to an ARUP Standard Transport Tube. (Min: 0.4 mL)

**Transport Temperature:** Frozen.

**Unacceptable Conditions:** Grossly hemolyzed or lipemic specimens.

#### Remarks:

**Stability:** After separation from cells: Ambient: 8 hours; Refrigerated: 1 week; Frozen: 1 month~~6 months~~

**Methodology:** Quantitative Chemiluminescent Immunoassay (CLIA)

**Performed:** Sun-Sat

**Reported:** Within 24 hours

#### Note:

**CPT Codes:** 82670

**New York DOH Approval Status:** This test is New York DOH approved.

### Interpretive Data:

This immunoassay is not recommended when low estradiol concentrations, such as those found in children, cisgender males, and postmenopausal females, are expected, or for monitoring antiestrogen (e.g., aromatase inhibitor) therapy. The preferred estradiol test in these cases is Estradiol (Adult Males, Children, Postmenopausal Females, or Individuals on Estrogen-Suppressing Hormone Therapy) (ARUP test code 0093247).

No reference intervals have been established for prepubertal females or for cisgender males. For a complete set of all established reference intervals, refer to [ltd.aruplab.com/Tests/Pub/0070045](https://ltd.aruplab.com/Tests/Pub/0070045)

Reference Interval:



A nonprofit enterprise of the University of Utah  
and its Department of Pathology

Effective Date: **October 20, 2025**

Test Number **Effective May 11, 2021**

		Components	Reference Interval		
Female		Estradiol by Immunoassay			
Follicular phase	27-122 pg/mL				
Mid-Cycle phase	95-433 pg/mL				
Luteal-Phase	49-291 pg/mL				
Post- Menopausal	Less than 41 pg/mL				
			Female		
			Early Follicular Phase	22.4 - 115 pg/mL	
			Mid Follicular Phase	25.0 - 115 pg/mL	
			Ovulatory Peak Phase	32.1 - 517 pg/mL	
			Mid Luteal Phase	36.5 - 246 pg/mL	
			Post- menopausal	<25.1 pg/mL	

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**HOTLINE NOTE:** There is a numeric map change associated with this test. Refer to the Hotline Test Mix for interface build information.