

**TEST CHANGE**

Estradiol (Adult Males, Children, Postmenopausal Females, or Individuals on Estrogen-Suppressing Hormone Therapy)

0093247, ESDIOL TMS

**Specimen Requirements:**

**Patient Preparation:**

**Collect:** Serum separator tube, lavender (EDTA), pink (K2EDTA) or green (sodium or lithium heparin).

**Specimen Preparation:** Separate serum or plasma from cells within 2 hours after collection. Transfer 0.5 mL serum or plasma to an ARUP Standard Transport Tube. (Min 0.3 mL) Indicate age and sex of patient on test request form AND specimen tube.

**Transport Temperature:** Refrigerated.

**Unacceptable Conditions:**

**Remarks:**

**Stability:** After separation from cells: Ambient: 48 hours; Refrigerated: 1 week; Frozen: 1 month

**Methodology:** Quantitative High Performance Liquid Chromatography-Tandem Mass Spectrometry

**Performed:** Sun-Sat

**Reported:** 1-54 days

**Note:**

**CPT Codes:** 82670

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

**Interpretive Data:**

For a complete set of all established reference intervals, refer to [ltd.aruplab.com/Tests/Pub/0093247](http://ltd.aruplab.com/Tests/Pub/0093247).

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

**Reference Interval:**

Test Number	Components	Reference Interval		
	Estradiol by Mass Spec			
		Age	Male (pg/mL)	Female (pg/mL)
		7-9 years	Less than 7.0	Less than 36.0
		10-12 years	Less than 11.0	1.0-87.0
		13-15 years	1.0-36.0	9.0-249.0
		16-17 years	3.0-34.0	2.0-266.0
		18 years and older	10.0-42.0	Premenopausal Early Follicular: 30.0-100.0 Late Follicular: 100.0- 400.0 Luteal: 50.0-150.0 Postmenopausal: 2.0-21.0
		Tanner Stage I	Less than 8.0	Less than 56.0
		Tanner Stage II	Less than 10.0	2.0-133.0
		Tanner Stage III	1.0-35.0	12.0-277.0
		Tanner Stage IV-V	3.0-35.0	2.0-259.0