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**Lab Dept:** Chemistry

**Test Name:** ESTRONE

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***General Information***

**Lab Order Codes:** STRN

**Synonyms:** N/A

**CPT Codes:** 82679 - Estrone

**Test Includes:** Estrone level reported in pg/mL.

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***Logistics***

**Test Indications:** N/A

**Lab Testing Sections:** Chemistry – Sendouts

**Referred to:** Esoterix, Inc (ESL Test: 500172)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 4 - 7 days, test set up Monday - Friday

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** SST (Gold, marble or red) tube

**Draw Volume:** 9 mL (Minimum: 3.6 mL) blood

**Processed Volume:** 3 mL (Minimum: 1.2 mL) serum

**Note:** Minimum volume does not allow for repeat analysis.

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Centrifuge specimen; remove serum aliquot within 1 hour of draw. Place aliquot into a screw-capped round bottom plastic vial. Store and ship specimen frozen. Forward promptly.

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens

**Interpretive**

**Reference Range:** **Newborn:** Values are strikingly elevated at birth, then decrease rapidly during the first week to prepubertal levels of <15 pg/mL.

**Prepubertal Children (1-10 years):** <15 pg/mL

**Puberty:**

	Male		Female	
Tanner Stage	Age (years)	Estrone (pg/mL)	Age (years)	Estrone (pg/mL)
1	<9.8	5 – 17	<9.2	4 – 29
2	9.8 – 14.5	10 – 25	9.2 – 13.7	10 – 33
3	10.7 – 15.4	15 – 25	10.0 – 14.4	15 – 43
4	11.8 – 16.2	15 – 45	10.7 – 15.6	16 – 77
5	12.8 – 17.3	20 – 45	11.8 – 18.6	29 – 105

**Adults:**

Male:	10 – 50 pg/mL
Female	Follicular: 30– 100 pg/mL
	Luteal: 90 – 160 pg/mL
	Postmenopausal: <40 pg/mL

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** HPLC, Tandem Mass Spectrometry

**References:** [Esoterix, Inc. Web Page](#) November 2017

Esoterix, Inc. " Expected Value & S.I. Unit Conversion Table" Fifth Edition

**Updates:** 3/8/2010: Reference range units changed from ng/dL to pg/mL. Ranges have been adjusted by a factor of 10. Method previously listed as RIA.  
11/13/2017: Collection container update, Female ref range update.