
Lab Dept: Chemistry

Test Name: ESTRONE

General Information

Lab Order Codes: STRN

Synonyms: N/A

CPT Codes: 82679 - Estrone

Test Includes: Estrone level reported in pg/mL.

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 - Saturday

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Red top 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: 3 – 10 pg/mL
	Luteal: 9 – 16 pg/mL
	Postmenopausal: <40 pg/mL

Critical Values: N/A

Limitations: N/A

Methodology: HPLC, Tandem Mass Spectrometry

References: [Esoterix, Inc. Web Page](#) July 2012

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.