Lab Dept:	**Chemistry**
Test Name:	**PREGNENOLONE, SERUM**

General Information

Lab Order Codes:	PRGNL
Synonyms:	N/A
CPT Codes:	84140 - Pregnenolone
Test Includes:	Pregnenolone concentration reported as ng/dL.

Logistics

Test Indications:	Pregnenolone is the precursor (building-block) for all other steroid hormones. It is converted directly into DHEA and/or progesterone. DHEA converts to testosterone and estrogens; progesterone converts to estrogens, cortisol, and aldosterone.
Lab Testing Sections:	Chemistry - Sendouts
Referred to:	Esoterix (ESL Test: 500258)
Phone Numbers:	MIN Lab: 612-813-6280 STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	5 – 8 days, performed Monday – Thursday, Saturday
Special Instructions:	N/A

Specimen

Specimen Type:	Blood
Container:	Red top tube
Draw Volume:	6 mL (Minimum: 1.5 mL) blood Note: Minimum volume does not allow for repeat analysis.
Processed Volume:	2 mL (Minimim: 0.5 mL) serum

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen and remove serum aliquot into a screw-capped plastic vial. Store and ship at frozen temperatures. Forward promptly.

Patient Preparation: None

Sample Rejection: Specimens other than serum; mislabeled or unlabeled specimens

Interpretive

Reference Range:

Age	**Range (ng/dL)**
Premature (26-28 wks) Day 4	260 - 2104
Premature (34-36 wks) Day 4	203 - 1024
Neonates (1 – 7 days)	150 - 2000
Prepubertal	20 - 140
Pubertal and Adults	<20 - 150
Levels decrease after birth and are within the prepubertal range of 20 – 140 by 3 months.	

Critical Values: N/A

Limitations: N/A

Methodology: HPLC – Tandem Mass Spectrometry

References: Esoterix Laboratory Services April 2012