



Laboratory Service Manual

Lab Dept: Chemistry

Test Name: 17-OH PREGNENOLONE, SERUM

General Information

Lab Order Codes: 17O

Synonyms: Hydroxypregnenolone 17-; Pregnenolone 17OH

CPT Codes: 84143 – 17- hydroxypregnenolone

Test Includes: N/A

Logistics

Test Indications: Assessment of 3-beta-OH steroid dehydrogenase deficiency, a form of congenital adrenal hyperplasia. Assessment of presence an adrenal virilizing tumor.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Esoterix, Inc. (Test# 500262)

Phone Numbers:

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 3 - 6 days

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Red top tube

Draw Volume: 3.0 mL blood



Laboratory Service Manual

Processed Volume: 1.0 mL (Minimum: 0.1 mL) serum

Note: Minimum volume does not permit repeat analysis.

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen within 1 hour of collection. Remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

Interpretive

Reference Range:

Age:	Range (ng/dL)
Premature Infants:	
26-28 weeks, day 4:	375 - 3559
31 – 35 weeks, day 4:	64 - 2380
Full Term Infants:	
3 days:	10 - 829
1 – 5 months:	36 - 763
6 – 11 months:	42 - 540
Prepubertal Children:	
12 - 23 months:	14 - 207
24 months – 5 years:	10 - 103
6 – 9 years:	10 - 186
Pubertal Age Groups:	44 - 235
Adults:	53 - 357

Critical Values: N/A

Limitations: N/A



Laboratory Service Manual

Methodology: HPLC Tandem Mass Spectrometry

References: Esoterix, Inc. Web Page www.esoterix.com

Updates: 9/29/2009: Method, reference range update