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**Lab Dept:** Chemistry

**Test Name:** 17-OH PREGNENOLONE, SERUM

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***General Information***

**Lab Order Codes:** 17O

**Synonyms:** Hydroxypregnenolone 17-; Pregnenolone 17OH

**CPT Codes:** 84143 – 17- hydroxypregnenolone

**Test Includes:** N/A

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

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 3 - 6 days

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** Red top tube

**Draw Volume:** 3 mL (Minimum: 0.3 mL) blood

**Processed Volume:** 1 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

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***Interpretive***

**Reference Range:**

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

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** HPLC Tandem Mass Spectrometry

**References:** Esoterix, Inc. Web Page [www.esoterix.com](http://www.esoterix.com)

**Updates:**

9/29/2009: Method, reference range update