

# Pregnenolone, LC/MS

**CPT Code:** 84140

**Order Code:** 1200

**ABN Requirement:** No

**Specimen:** Serum from Red Top tube only

**Volume:** 0.5 mL

**Minimum Volume:** 0.2 mL

**Container:** Red Top (no gel barrier) tube

## **Collection:**

1. Collect and label sample according to standard protocols.
2. Gently invert tube 10 times immediately after draw. DO NOT SHAKE.
3. Allow blood to clot 30 minutes at room temperature.
4. Centrifuge for 10 minutes.
5. Aliquot serum into transport tube labeled as "Red Top Serum" and cap tightly. Discard original tube.

**Special Instructions:** Refrigerate serum immediately and ship samples the same day as draw date. If not shipping the same date as draw date, freeze serum immediately and ship with dry ice.

**Transport:** Store serum at 2°C to 8°C after collection and ship refrigerated the same day per packaging instructions included with the provided shipping box. If not shipping the same day, store serum frozen at -20°C and ship with dry ice.

## **Stability:**

**Ambient (15-25°C):** Unacceptable

**Refrigerated (2-8°C):** 72 hours

**Frozen (-20°C):** 14 days

**Deep Frozen (-70°C):** 30 days

**Causes for Rejection:** Samples received at room temperature; serum from an SST tube; improper labeling; samples not stored properly; samples older than stability limits; gross hemolysis

**Methodology:** Liquid Chromatography Mass Spectrometry (LC/MS)

**Turn Around Time:** 2-6 days

**Reference Range:**

Age	ng/dL
1 day-59 days	68-1303
60 days-1 year	≤219
2-6 years	≤140
7-9 years	≤156
10-12 years	15-220
13-17 years	12-196
≥18 years (Adult)	22-237

**Clinical Significance:** A pregnenolone test can be used as an ancillary test for the diagnosis of congenital adrenal hyperplasia, and to confirm a diagnosis of 3-beta-hydroxy dehydrogenase deficiency.

*The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.*