

Estriol, Serum

CPT Code: 82677

Order Code: 1171

ABN Requirement: No

Specimen: Red Top Serum Only

Volume: 0.5 mL

Minimum Volume: 0.3 mL

Container: Red Top (no gel barrier) Tube

Collection:

Serum:

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.
4. Centrifuge for 10 minutes.
5. Aliquot serum into transfer tube.

Special Instructions: Refrigerate serum immediately.

Transport: Store serum at 2°C to 8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab shipping box.

Stability:

Ambient (15-25°C): 24 hours

Refrigerated (2-8°C): 7 days

Frozen (-20°C): 28 days

Causes for Rejection: Serum from SST tube; samples received at room temperature; improper labeling; samples not stored properly; samples older than stability limits

Methodology: Chromatography/Mass Spectrometry

Turn Around Time: 4 to 6 days

Reference Range:

Gender	ng/mL
Adult Male	≤0.18
Adult Female, Non-pregnant	≤0.21
Pregnancy, First Trimester	≤2.50
Pregnancy, Second Trimester	≤9.60
Pregnancy, Third Trimester	≤14.60

Clinical Significance: The placental converts DHEA-S produced by the fetal adrenals to Estriol and other estrogens. Estriol is useful in assessing the fetal adrenals and placenta during pregnancy. More commonly, Estriol is one of the maternal serum biochemical markers used to screen for common chromosomal trisomies, especially Down syndrome.

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.