

**LAB3076 Estradiol (E2 or 17-Beta Estradiol)**

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BMC

**Performing Location(s)**

BMC

**Specimen Type**

Serum

**Preferred Container**

Gold or Red top tube

**Alternate Container**

Light Green top tube

**Minimum Volume**

1.0 mL Serum

Multiple test can be performed from this volume.

For question please contact the lab at 607-547-3975.

**Storage Requirements**

Sample tubes should be centrifuged within 2 hours of collection

Gold tops DO NOT ALIQUOT

Aliquot Red tops

See Causes of Rejection for temperature requirements.

**Transportation Needs**

Deliver specimen to laboratory within 1 hour of collection if unspun.

If not possible see "Storage Requirements".

**Causes for Rejection**

Mislabeled or unlabeled specimen

Less than 50% draw for vacutainer tubes

Serum > 8 hours room temperature

Serum > 7 days Refrigerated

Hemolysis > 300 mg/dL HgB

Lipemia > 3000 mg/dL Trig

Bilirubin > 40 mg/dL Bili

**Reference Values**

Population	Normal Reference Range	Units
Males		
Males	< 15	pg/mL
Females > 19 years old		

Follicular	22-115	pg/mL
Luteal	36-246	pg/mL
Mid-Cycle	32-517	pg/mL
Post-Menopausal	< 30	pg/mL
<b>Females ≤ 19 years old</b>		
1-11 years old	<15-20	pg/mL
12-19 years old	162-230	pg/mL

Note: Patients taking Fulvestrant (Faslodex®) may exhibit elevated estradiol results due to assay cross-reactivity with this drug. Such patients should be tested with an LC-MS chromatographic method.

**Available STAT**

Yes

**Methodology**

Competitive Immunoassay using direct chemiluminescent technology

**CPT Code**

82670