**Test Definition: BHCG**

Beta-Human Chorionic Gonadotropin, Quantitative, Serum

**Reporting Title:** Beta-HCG, Quantitative, S

**Performing Location:** Rochester

**Specimen Requirements:**

Patient Preparation: For 12 hours before this test do not take multivitamins or dietary supplements containing biotin (vitamin B7), which is commonly found in hair, skin, and nail supplements and multivitamins.

Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Specimen Volume: 0.6 mL

**Forms:**

If not ordering electronically, complete, print, and send an Oncology Test Request (T729) with the specimen.

<table>
<thead>
<tr>
<th>Serum</th>
<th>Refrigerated (preferred)</th>
<th>7 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frozen</td>
<td></td>
<td>180 days</td>
</tr>
</tbody>
</table>

**Result Codes:**

<table>
<thead>
<tr>
<th>Result ID</th>
<th>Reporting Name</th>
<th>Type</th>
<th>Unit</th>
<th>LOINC®</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHCG</td>
<td>Beta-HCG, Quantitative, S</td>
<td>Numeric</td>
<td>IU/L</td>
<td>21198-7</td>
</tr>
</tbody>
</table>

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code:** 1 × 84702

**Reference Values:**

Children(1,2)

Males

Birth-3 months: < or =50 IU/L*

>3 months-<18 years: <1.4 IU/L

Females

Birth-3 months: < or =50 IU/L*

>3 months-<18 years: <1.0 IU/L

* hCG, produced in the placenta, partially passes the placental barrier. Newborn serum beta-hCG concentrations are approximately 1/400th of the corresponding maternal serum concentrations, resulting in neonate beta-hCG levels of...
Test Definition: BHCG
Beta-Human Chorionic Gonadotropin, Quantitative, Serum

10-50 IU/L at birth. Clearance half-life is approximately 2-3 days. Therefore, by 3 months of age, levels comparable to adults should be reached.

Adults (97.5th percentile)
Males: <1.4 IU/L
Females
Premenopausal, nonpregnant: <1.0 IU/L
Postmenopausal: <7.0 IU/L

Pediatric reference values based on: