Epstein-Barr Virus Viral Capsid Antigen (VCA) Antibody IgG

CPT Code: 86665  
Order Code: C1392  
ABN Requirement: No  
Synonyms: EBV VCA Ag IgG  
Specimen: Serum  
Volume: 1.0 mL  
Minimum Volume: 0.5 mL  
Container: Gel-barrier tube (SST, Tiger Top)

Collection:

Serum:

1. Collect and label sample according to standard protocols.  
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.  
3. Let tube stand in a vertical position to allow blood to clot 30 minutes.  
4. Centrifuge at 1300 rcf for 10 minutes at room temperature.

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

Stability:

- Ambient (15-25°C): 4 days  
- Refrigerated (2-8°C): 7 days  
- Frozen (-20°C): 30 days  
- Deep Frozen (-70°C): 30 days

Causes for Rejection: Specimens other than serum; improper labeling; samples not stored properly; samples older than stability limits; grossly hemolyzed specimens; hyperlipidemic specimens; icteric specimens; microbially contaminated specimens

Methodology: Immunoassay (IA)
**Turn Around Time:** 3-4 days

**Reference Range:**

<table>
<thead>
<tr>
<th>Age</th>
<th>U/mL</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Ages</td>
<td>&lt;18.00</td>
<td>Negative</td>
</tr>
<tr>
<td>All Ages</td>
<td>18.00-21.99</td>
<td>Equivocal</td>
</tr>
<tr>
<td>All Ages</td>
<td>&gt;21.99</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Intended Use:** Primary infection by Epstein-Barr Virus (EBV) causes infectious mononucleosis, usually a self-limiting disease in children and young adults. Infection with EBV can cause lymphoproliferative disorders, including tumors. VCA-IgG is typically detectable at clinical presentation, and persists for life. Absence of VCA-IgG usually indicates the patient is susceptible to EBV infection.