

# Epstein-Barr Virus Antibody to Early Antigens

**CPT Code:** 86663

**Order Code:** C1390

**ABN Requirement:** No

**Synonyms:** EBV EA Antibody; Epstein-Barr Virus Early Antigen Antibody 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 for 10 minutes.

**Transport:** Store serum at 2-8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab 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 or grossly lipemic specimens; icteric specimens; microbially contaminated specimens

**Methodology:** Immunoassay (IA)

**Turn Around Time:** 4-5 days

**Reference Range:**

Age	Units
All Ages	Negative: $\leq 0.90$
All Ages	Equivocal: 0.91-1.09
All Ages	Positive: $\geq 1.10$

**Clinical Significance:** 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. IgG recognizing early antigen D typically appears within a month after clinical presentation and is transient, lasting only 3-4 months. Persistently elevated levels suggest reactivation or persistence of EBV infection.

*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.*