

**NEW TEST**

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**14-3-3 eta Protein by ELISA, Serum**

3017890, 14-3-3 ETA

**Specimen Requirements:**

**Patient Preparation:**

**Collect:** Serum separator tube or red top tube.

**Specimen Preparation:** Separate serum from cells ASAP or within 2 hours of collection. Transfer 0.5 mL serum to an ARUP standard transport tube. (Min: 0.25 mL)

**Transport Temperature:** Refrigerated.

**Unacceptable Conditions:** Nonserum, contaminated, heat-inactivated, severely hemolyzed, severely lipemic, or severely icteric specimens.

**Remarks:**

**Stability:** After separation from cells: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 month (avoid repeated freeze/thaw cycles)

**Methodology:** Quantitative Enzyme-Linked Immunosorbent Assay (ELISA)

**Performed:** Tue

**Reported:** 1-8 days

**Note:**

**CPT Codes:** 83520

**New York DOH Approval Status:** This test is New York DOH approved.

**Interpretive Data:**

The combination of serum 14-3-3 eta with rheumatoid factor (RF) and anticyclic citrullinated peptide (anti-CCP) may enhance sensitivity and demonstrates high specificity for rheumatoid arthritis (RA) diagnosis. Elevated serum 14-3-3 eta levels may be observed in both early and established RA patients, including those who are seronegative for both RF and anti-CCP antibodies. Elevated serum 14-3-3 eta concentrations are predictive of unfavorable clinical and radiological outcomes at diagnosis and posttreatment initiation. Negative or decreased levels of 14-3-3 eta from baseline correlate with diminished radiological progression and suboptimal treatment response.

**Reference Interval:**

Test Number	Components	Reference Interval
	14-3-3 eta Protein, Serum	0.19 ng/mL or less

**HOTLINE NOTE: Refer to the Hotline Test Mix for interface build information.**