### Ordered Items

14.3.3 ETA, Rheum. Arthritis

### Tests

<table>
<thead>
<tr>
<th>TESTS</th>
<th>RESULT</th>
<th>FLAG</th>
<th>UNITS</th>
<th>REFERENCE INTERVAL</th>
<th>LAB</th>
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<tr>
<td>14.3.3 ETA, Rheum. Arthritis</td>
<td>&lt;0.20</td>
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<td>ng/mL</td>
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Reference Range: < 0.20

Comments:

14-3-3 eta protein is a joint-derived, proinflammatory mediator that is implicated in the joint erosion process and pathogenesis of RA. Serum 14-3-3 eta is elevated in both early and established RA.

- **Diagnostic value:**
  14-3-3 eta is highly specific for RA. Serum 14-3-3 eta may be especially helpful in identifying patients with early RA where it provides a 15% incremental benefit to the diagnostic sensitivity of markers, Rheumatoid Arthritis (RA) Factor and Cyclic Citrullinated Peptide (CCP) Antibodies, i.e. An additional 15% of early RA patients may be detected by 14-3-3 eta (1).

- **Correlation with radiographic evidence of joint damage.** Positive serum 14-3-3 eta levels are associated with higher rates of joint damage as measured by radiographic assessments (Sharp/van der Heijde Score) (2).

- **Serum 14-3-3 eta levels above a threshold of 0.50 ng/ml identify RA patients who will have more rapid radiographic progression, even those who may be in SDAI remission (1).**

### References:


2. Maksymowych WP, et al. 14-3-3 eta is a novel mediator associated with the pathogenesis of rheumatoid arthritis.

This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration.

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<td>01 ES</td>
<td>Esoterix Endocrinology</td>
<td>Dir: Samuel Pepkowitz, MD</td>
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For inquiries, the physician may contact Branch: 800-222-7566 Lab: 800-282-7300
ABNORMAL REPORT

**Test Details**

**14.3.3 ETA, Rheum. Arthritis**

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**Reference Range:** < 0.20

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Esoterix Endocrinology
4301 Lost Hills Road, Calabasas Hills, CA 91301-5358

Dir: Samuel Pepkowitz, MD

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