Overview

Method Name
Direct Enzyme Immunoassay (EIA)

NY State Available
No

Specimen

Specimen Type
Serum

Specimen Required

Patient preparation:
Patient should NOT be on any Corticosteroids, anti-inflammatory medications or pain killers, if possible, for at least 48 hours prior to collection of specimen.

Serum

Specimen Type: Serum

Container/Tube: Red top or SST

Specimen Volume: 3 mL

Collection Instructions: Draw blood in a plain, red-top tube(s), serum-gel tube(s) is acceptable. Separate immediately and send 3 mL of serum frozen in a plastic vial.

Specimen Minimum Volume
1 mL

Reject Due To

<table>
<thead>
<tr>
<th>Hemolysis</th>
<th>Mild reject ; Gross reject</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lipemia</td>
<td>Mild reject; Gross reject</td>
</tr>
<tr>
<td>Icterus</td>
<td>NA</td>
</tr>
<tr>
<td>Other</td>
<td>Specimens other than Serum or Plasma EDTA. Test is strict frozen</td>
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</table>

Specimen Stability Information

<table>
<thead>
<tr>
<th>Specimen Type</th>
<th>Temperature</th>
<th>Time</th>
<th>Special Container</th>
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<tbody>
<tr>
<td>Serum</td>
<td>Frozen</td>
<td>30 days</td>
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Clinical and Interpretive

Clinical Information
The Interleukins belong to the family termed cytokines. They are peptides used by immune and inflammatory cells to communicate and control cell operations. The cytokines have some similar actions to the Growth Factors but Growth Factors regulate proliferation of non-immune cells. Interleukin 1a is a 17,500 molecular weight peptide derived primarily from macrophages, fibroblasts, endothelial cells, and B cells. The major target cells are T and B cells, Fibroblasts, and Hepatocytes. Interleukin 1a shares a receptor with Interleukin 1b although they are significantly different structurally. Interleukin 1a promotes antigen specific immune responses, inflammation, Prostaglandin secretion, Colony Stimulating Factors, proteoglycanase, collagenase, and gelatinase activity, and release of Interleukin 2 from T cells. Levels are stimulated by liposaccharide, endotoxins, inflammatory agents, lectin, Tumor Necrosis Factor, and Interferons. Levels are suppressed by Corticosteroids, Prostaglandin E2, and suppressant lymphocytes.

Reference Values
Less than 3.9 pg/mL

Clinical Reference


Performance

PDF Report
No

Day(s) and Time(s) Test Performed
Monday through Friday

Analytic Time
10 days

Maximum Laboratory Time
12-14 days

Performing Laboratory Location
Inter Science Institute

Fees and Codes

Fees
- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact Customer Service.

Document generated December 27, 2020 at 11:00pm CST
Test Definition: FINTA
Interleukin 1-Alpha

Test Classification
This test was performed using a kit that has not been cleared or approved by the FDA and is designated as research use only. The analytic performance characteristics of this test have been determined by Inter Science Institute. This test is not intended for diagnosis or patient management decisions without confirmation by other medically established means.

CPT Code Information
83520

LOINC® Information

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<td>Interleukin 1-Alpha</td>
<td>33821-0</td>
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<table>
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<td>Interleukin 1-Alpha</td>
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