Eosinophil-Derived Neurotoxin (EDN) Serum  
Test Code: 30058

Clinical and Procedure

Clinical Utility
Upon activation, eosinophils secrete various biomarkers including EDN. Due to its important role in the inflammatory process of allergic diseases, EDN is an important marker of Eosinophil activation and degranulation. Additionally, elevated EDN levels can signify food allergy, parasitosis, and general intestinal pathogen invasion.

Procedure
Sandwich ELISA technique. Serum EDN binds to the EDN specific monoclonal antibody that is pre-coated to a micro plate. Bound EDN is detected by an enzyme-linked EDN specific monoclonal antibody. Substrate solution is added and color develops in proportion to the amount of EDN in the sample. This test has not been cleared or approved for diagnostic use by the U.S. Food and Drug Administration.

Turnaround Time
3-5 business days from receipt of specimen

Specimen Information

<table>
<thead>
<tr>
<th>Specimen Type</th>
<th>Order Code</th>
<th>CPT Code</th>
<th>NY Approved</th>
<th>Volume</th>
<th>Assay Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>serum</td>
<td>30058</td>
<td>83520</td>
<td>Yes</td>
<td>1 mL (min. 100 uL)</td>
<td>3-200 ng/mL</td>
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</tbody>
</table>

Special Instructions
- 1 mL, serum, ship frozen overnight on dry ice.
- Stability 24 hours frozen, stable 3 freeze/thaw cycles.

The result is reported in ng/mL. The assay range is approximately 3 to 200. The reference range for a healthy population is 8.5 – 46.7 ng/mL. However it should be noted that these ranges are obtained from a limited population of apparently healthy adults and are not diagnostic thresholds.

Disclaimer
Specimens are approved for testing in New York only when indicated in the Specimen Information field above.

The CPT codes provided are based on Viracor Eurofins' interpretation of the American Medical Association's Current Procedural Terminology (CPT) codes and are provided for general informational purposes only. CPT coding is the sole responsibility of the billing party. Questions regarding coding should be addressed to your local Medicare carrier. Viracor Eurofins assumes no responsibility for billing errors due to reliance on the CPT codes illustrated in this material.

References