Orderable - LCFA

Turnaround Time: 15 days

Alternate Name(s):
C24/C22 Long Chain Fatty Acid Ratio
C26/C22 Long Chain Fatty Acid Ratio
C26:0 Long Chain Fatty Acid Concentration
Very Long Chain Fatty Acids
LCFA
VLCFA

Specimen:
4 mL K$_2$ or K$_3$ EDTA Lavender top Vacutainer tube
or
5 mL Gold top Vacutainer

Collection Information:
Minimum volume of serum or plasma required is 1.5 mL.
Spin and aliquot serum or plasma and freeze immediately and send to the lab.
Preferably patient should be fasting.

Reference Ranges:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>C24/C22 Ratio</td>
<td>0-1.094</td>
</tr>
<tr>
<td>C26/C22 Ratio</td>
<td>0-0.0350</td>
</tr>
<tr>
<td>C26:0 Concentration</td>
<td>0-1.466 umol/L</td>
</tr>
</tbody>
</table>

Interpretive Comments:
This is a screening test for X-linked adrenoleukodystrophy
Affected males will have elevated parameters.
Heterozygous females usually have elevated parameters,
but they are often in the upper normal range.
Other peroxisomal diseases may also be detected by this test (elevated parameters).
**Storage and Shipment:**

Separate and freeze. Ship frozen and do not allow time to thaw.