

## Fatty Acid Profile, Essential, Serum

Order Name: **FAPEP**  
Test Number: 6907817  
Revision Date: 01/29/2026

TEST NAME	METHODOLOGY	LOINC CODE
Fatty Acid Profile, Essential, Serum	Quantitative Gas Chromatography-Mass Spectrometry	

### SPECIMEN REQUIREMENTS

Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	<b>0.5 mL (0.3 mL)</b>	<b>Serum</b>	<b>Clot Activator (SST or Red No-Gel)</b>	<b>Frozen</b>
Alternate 1	<b>0.5 mL (0.3 mL)</b>	<b>Plasma</b>	<b>EDTA (Lavender Top)</b>	<b>Frozen</b>
Instructions	<p><b>Specimen Type:</b> Red Top tube or Serum Separator (SST), Lavender-top (EDTA) tube</p> <p><b>Specimen Storage and Transport:</b> <b>FREEZE</b></p> <p>(NOTE: The minimum volume 0.3mL does not allow for repeat testing)</p> <p><b>Centrifuge, transfer serum or plasma to a plastic transport tube and Freeze Immediately.</b></p> <p><b>Preferred:</b> Plastic tube containing frozen serum Acceptable: Plastic tube containing: frozen serum obtained from gel-separated (SST) tube, frozen plasma obtained from EDTA lavender top Stability: Frozen &lt;-10 C' 31 days.</p> <p><b>Patient Preparation:</b> Patients should fast overnight (12-14 hours). Please note: Infants and individuals suspected of having a fatty acid oxidation disorder should not fast prior to testing because of the risk of acute metabolic decompensation. For these patients, collect the specimen immediately before feeding. If the patient is receiving total parenteral nutrition (TPN), the specimen can be collected under normal conditions. Patients must not consume any alcohol for 24 hours prior to collecting. Patient age is required as well as information regarding treatment, family history and tentative diagnosis.</p> <p><b>?Cause for Rejection:</b> Specimen thawed or not frozen; grossly lipemic or grossly hemolyzed specimen.</p>			

### GENERAL INFORMATION

Expected TAT	9 - 13 days
Clinical Use	Identification of patients with essential fatty acid deficiency, evaluation of nutritional status, and diet monitoring.
Performing Labcorp Test Code	070325
CPT Code(s)	82542
Lab Section	Reference Lab