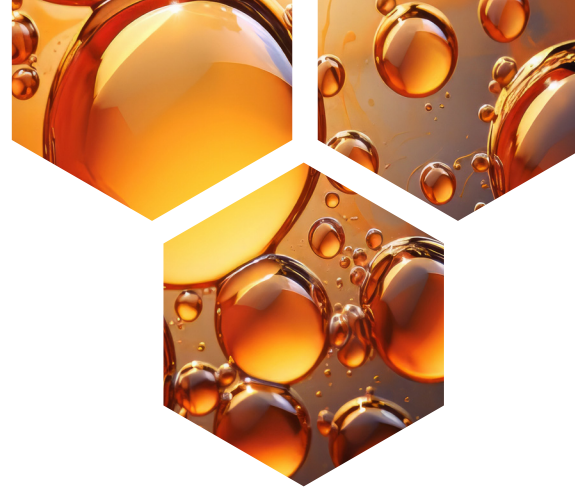




FATTY ACIDS PROFILE



Optimize Inflammation, Energy, and Cellular Health

The Fatty Acids Profile is an advanced panel that measures 20 individual fatty acids, including omega-3s, omega-6s, monounsaturated (MUFA), polyunsaturated (PUFA), and saturated fats. It also calculates the critical omega-6/omega-3 ratio and the Index of Omega-3 Fatty Acids—*both important markers of inflammation and chronic disease risk.*

The test report provides an easy-to-read summary page with personalized nutritional recommendations to help practitioners design targeted diet, supplement, and lifestyle strategies that restore balance and support long-term health.

Provides Insight Into the Following Areas of Functional Health:

- Cardiovascular health and inflammation balance
- Metabolic health, insulin sensitivity, and weight regulation
- Brain health, cognition, and mood support
- Liver function and detoxification capacity
- Nutritional assessment: omega-3 deficiency, omega-6 excess, and fatty acid distribution



Order the Fatty Acids Profile Today

Identify Imbalances. Personalize Interventions. Optimize Outcomes.



Learn more at www.diagnosticsolutionslab.com

 **Diagnostic
Solutions**
Laboratory
RESEARCH. TECHNOLOGY. RESULTS.

List of Analytes Reported^{*}

Reveal Your Metabolic Signature



Polyunsaturated Fatty Acids (PUFA)

- Omega-3
 - » Total Omega-3
 - » α-Linolenic (ALA) 18:3n3
 - » Eicosapentaenoic (EPA) 20:5n3
 - » Docosapentaenoic (DPA) 22:5n3
 - » Docosahexaenoic (DHA) 22:6n3
- Index of Omega-3
 - » % EPA + DHA
- Omega-6
 - » Total Omega-6
 - » Linolenic (LA) 18:2n6
 - » γ-Linolenic (GLA) 18:3n6
 - » Eicosadienoic (EDA) 20:2n6
 - » Dihomo-γ-linolenic (GDLA) 20:3n6
 - » Arachidonic (AA) 20:4n6
 - » Docosatetraenoic (DTA) 22:4n6
- Omega-6 / Omega-3 Ratio
 - » Omega-6 / Omega-3

Monosaturated Fatty Acids

- MUFA
 - » Total Monounsaturated
 - » Palmitoleic 16:1n7
 - » Vaccenic 18:1n7
 - » Oleic 18:1n9
 - » Eicosenoic 20:1n9

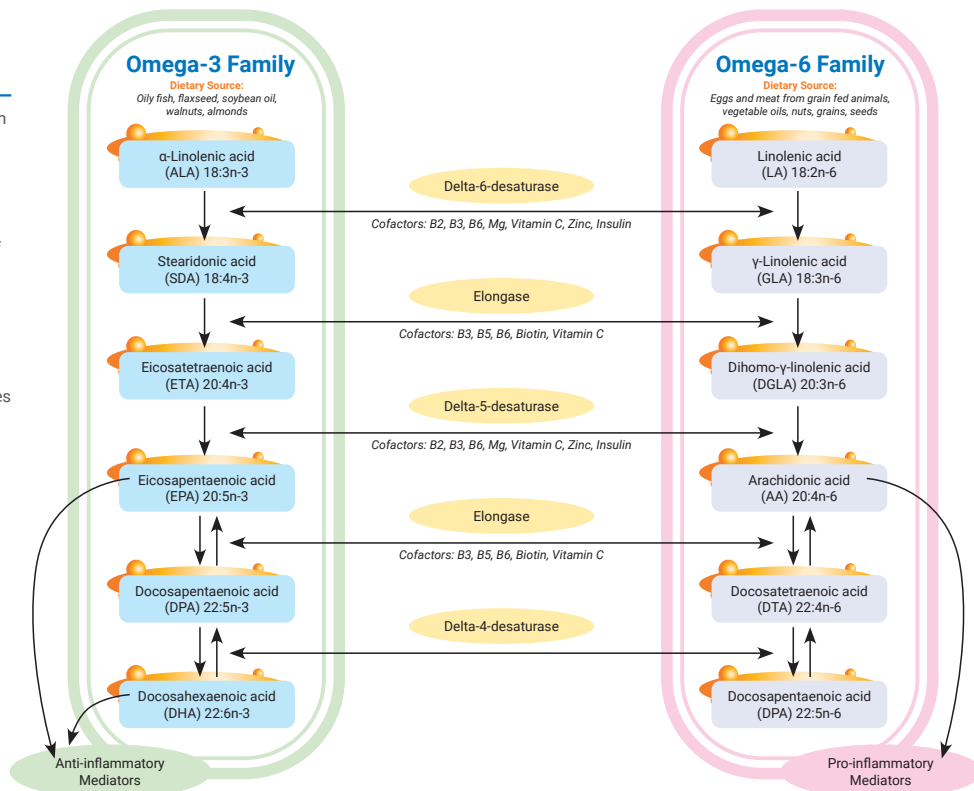
Saturated Fatty Acids

- SFA
 - » Total Saturated
 - » Myristic 14:00
 - » Palmitic 16:00
 - » Stearic 18:00
 - » Arachidic 20:00
 - » Docosanoic 22:00
 - » Lignoceric 24:00

** Exact number of analytes reported may differ from those shown on this page.*

PUFA Fatty Acid Metabolism

- Biological mediators are synthesized from omega-3 and omega-6 polyunsaturated fatty acids (PUFAs).
- The conversion of precursor omega-3 and omega-6 PUFA to their respective derivatives is catalyzed by desaturase and elongase enzymes in the presence of appropriate cofactors.
- Anti-inflammatory mediators are derived from EPA and DHA.
- Pro-inflammatory mediators are derived from arachidonic acid (AA).
- These pathways can compete for enzymes if nutritional levels are imbalanced.



Account setup forms are available on our website, via email at cs@diagnosticsolutionslab.com, or by phone at 877-485-5336.

TEST ORDERING OPTIONS & SPECIMEN REQUIREMENTS

- FAP™ – Fatty Acids Profile | Blood Plasma

Complementary Tests:

- Organic Acids Profile – OAp | Urine (optional stand-alone profile)
- Amino Acids Profile – AAP | Blood Plasma (optional stand-alone profile)

GETTING STARTED

- Set up an account
- Order online on our website, via email, or by phone

LEARN MORE

