



Patient: Sample  
Patient

DOB:

Sex:

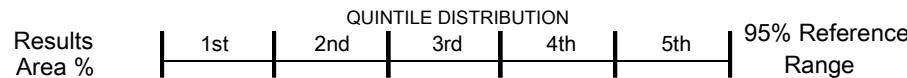
MRN:



## 3511 Bloodspot Fatty Acids Profile

Methodology: Capillary Gas Chromatography/Mass Spectrometry

Ranges: Ages 13 and over.



### Polyunsaturated Omega-3

1. Alpha Linolenic (ALA) (18:3n3)	0.19	0.17	0.10 - 0.54
2. Eicosapentaenoic (EPA) (20:5n3)	0.35	0.15	0.08 - 1.55
3. Docosahexaenoic (DHA) (22:6n3)	1.13	0.68	0.33 - 2.51

### Polyunsaturated Omega-6

4. Linoleic (LA) (18:2n6)	16.7	11.5	16.9	10.3 - 18.6
5. Gamma Linolenic (GLA) (18:3n6)	0.04	0.04	0.18	0.03 - 0.24
6. Dihomogamma Linolenic (DGLA) (20:3n6)	0.70	0.39	0.88	0.30 - 1.08
7. Arachidonic (AA) (20:4n6)	4.6	3.0	6.5	2.2 - 7.5

### Trans

8. Total C:18 Trans Fatty Acids	0.13	0.42	<= 0.59
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### Ratios

9. LA/GLA (Desaturation efficiency)	418	252	54 - 532
10. AA/EPA (Eicosanoid Series 2/3)	13.1	31.8	2.6 - 61.6
11. EPA/DGLA (Eicosanoid Series 3/1)	0.50	0.23	0.11 - 3.42
12. Index of Omega-3 Fatty Acids (EPA + DHA%)	1.48	1.56	>= 0.53

**3511 Bloodspot Fatty Acids Profile****Additional Considerations**

Nutrient supplementation is at the *discretion of the treating clinician*. The supplement dose ranges provided below are meant for educational purposes only. These dosage ranges relate to findings commonly found on Genova's nutritional panels and do not apply to specific disease conditions where different dosages may be warranted. Final recommendations should be based on consideration of the patient's medical history and current clinical condition.

Nutrient	Nutrient Need	Clinician Recommendations
Fish Oil	Optional: 0-500 mg	
Black Current Oil/Evening Primrose Oil	Optional	

Various conditionally essential nutrients and other potentially beneficial interventions appear in this section only if relevant abnormalities are present.