



126 Unique Biomarkers in LabSmarts

Biomarkers are listed under the analysis sections where their bar graphs appear. Sections are listed in the order they appear in the analysis report.

RBC Analysis

1. RBC*
2. HGB*
3. HCT*
4. MCV*
5. MCH*
6. MCHC*
7. RDW*
8. CRC – corrected reticulocyte count
9. RPI – reticulocyte production index

Immune System Analysis

15. WBC*
16. Neutrophils %*
17. Lymphocytes %*
18. Monocytes %*
19. Eosinophils %*
20. Basophils %*
21. Neutrophils Absolute*
22. Lymphocytes Absolute*
23. Monocytes Absolute*
24. Eosinophils Absolute*
25. Basophils Absolute*
26. NLR – Neutrophils-to-Lymphocyte Ratio*

Bar graphs for the following are also shown in this section as they relate to the immune system, but they are counted in their main sections below.

- Globulin
- Alkaline Phosphatase

Iron Analysis

10. Iron*
11. TIBC
12. % Saturation
13. Ferritin
14. Transferrin

Bar graphs for these biomarkers below appear in this section but are counted in the nutrients analysis section.

- Ceruloplasmin
- Copper, RBC
- Copper, serum
- Free Copper (%)

Coagulation Analysis

27. Platelets*
28. MPV*
29. D-Dimer*
30. Fibrinogen

Glucose Analysis

31. Glucose*
32. HbA1c
33. Insulin
34. C-peptide
35. Amylase*
 - Triglycerides

Kidney Analysis

36. BUN*
37. Creatinine*
38. eGFR*
39. BUN/Creatinine Ratio*
40. Uric Acid

Nutrients Analysis

41. Calcium (corrected for low albumin) *
42. Ceruloplasmin*
43. Copper, RBC
44. Copper, serum*
45. Free Copper (%)
46. Cu/Zn Ratio
47. Phosphorus
48. Magnesium, RBC
49. Magnesium, serum
50. Vitamin B6*
51. Vitamin B12*
52. Folate, RBC
53. Folate, serum
54. Vitamin D (25-OH)
55. Vitamin D 1,25 (OH)₂
56. Zinc, RBC
57. Zinc, serum*

Liver / Biliary Analysis

69. Bile Acids
70. Bilirubin, Total*
71. Bilirubin, Direct
72. Bilirubin, Indirect
73. Alkaline Phosphatase*
74. AST (SGOT) *
75. ALT (SGPT) *
76. GGT
77. Lactate Dehydrogenase (LDH, LD)*

Inflammation / Oxidative Stress Analysis

88. Homocysteine
89. hs-CRP*
90. Sedimentation Rate (ESR)

Bar graphs for the following biomarkers are also shown in this section as they can be an indication of inflammation, but they are counted in other sections.

- Albumin
- Bilirubin, Total
- Ceruloplasmin
- Ferritin
- Fibrinogen
- GGT
- HDL
- TIBC
- Transferrin
- Uric Acid

Electrolytes Analysis

58. Sodium*
59. Potassium*
60. Na/K Ratio*
61. Chloride*
62. Carbon Dioxide*
63. Anion Gap w/o K*
64. Anion Gap w/ K*

Proteins Analysis

65. Protein, Total*
66. Albumin*
67. Globulin*
68. Albumin / Globulin Ratio*

Lipids Analysis

78. Cholesterol, Total
79. HDL Cholesterol
80. Triglycerides
81. LDL Cholesterol
82. Cholesterol / HDL Ratio
83. Triglycerides / HDL Ratio
84. Apolipoprotein A-1 (Apo A-1)*
85. Apolipoprotein B (Apo B)*
86. Apo B / Apo A-1 Ratio
87. Lipoprotein (a)

Thyroid Analysis

91. TSH*
92. T4, Total
93. T4, Free
94. T3, Total
95. T3, Free
96. Reverse T3
97. TPO Antibodies
98. Tg Antibodies
99. TBG
100. T3 Uptake
101. FTI

Hormones Analysis

102. Anti-Mullerian Hormone (AMH)*
103. Cortisol, AM*
104. Cortisol, PM
105. DHEA-S*
106. DHT
107. Estradiol (E2)*
108. Estriol (E3)
109. Estrogens, Total*
110. Estrone (E1)*
111. FSH*
112. hCG
113. IGF-1*
114. LH*
115. Pregnenolone*
116. Progesterone*
117. 17-OHP*
118. Prolactin*
119. Prolactin, Lactating
120. SHBG*
121. Bioavailable Testosterone
122. Bioavailable Testosterone %
123. Free Testosterone, Calculated*
124. Free Testosterone, Direct*
125. Total Testosterone*
126. Total Testosterone, LC/MS*

*** Biomarkers with pediatric reference ranges (74 of 126).**