

# Biophysicalcore™

Created and Endorsed by World Renowned Physicians

## What is BiophysicalCore?

BiophysicalCore combines two key Biophysical products, BiophysicalCA/CV and BiophysicalSex&Energy, to provide biomarker information across a broad spectrum of medical conditions. Additionally, BiophysicalCore adds a full complement of autoimmune biomarkers.

An important element of BiophysicalCore is the baseline evaluation of biomarkers for cancer and cardiovascular disease. The cancer evaluation includes biomarkers commonly associated with cancers of the colon, liver, breast, ovarian, prostate, pancreas and lung. The cardiovascular evaluation tests for critical inflammatory biomarkers and lipid parameters, including lipid particle size and count, that can be risk factors for heart attack, stroke and other vascular diseases.

BiophysicalCore also looks at a wide variety of other medical conditions. For example, diabetes and the related conditions of obesity, metabolic syndrome, and insulin resistance are evaluated in depth. Male and female sex hormones, thyroid hormones and the stress hormone cortisol are also examined, as are various organ functions, vitamin status, anemia and blood chemistry.

BiophysicalCore includes biomarkers associated with autoimmune diseases such as antiphospholipid syndrome, lupus erythematosus, rheumatoid arthritis, scleroderma, Sjogren's syndrome and celiac disease. Additionally, autoimmune biomarkers for some types of diabetes and thyroid disease are measured.

## BiophysicalCore is part of an Annual Monitoring Program

BiophysicalCore is the first step in a program designed to monitor a broad spectrum of medical conditions. Absent significant health issues uncovered by the BiophysicalCore, the program then moves to a yearly monitoring phase focusing on the two most prevalent disease categories in the United States: cancer and cardiovascular disease. Both can be effectively treated when discovered early in the disease process. BiophysicalCA/CV was developed to measure year-to-year changes in cardiovascular and cancer-associated biomarkers that often reflect the first signs of pre-symptomatic disease.

## Established Science

BiophysicalCore biomarkers are routinely used by physicians to evaluate disease. Biomarker applications are rapidly expanding in every field of medicine, and BiophysicalCore brings this new technology to patients and their physicians at an affordable price.

To learn more about BiophysicalCore please visit [www.biophysicalcorp.com](http://www.biophysicalcorp.com) or call us at 800 532 7092

BiophysicalCore includes the following biomarkers:

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**CANCER ASSOCIATED**

Cancer Antigen 125 (CA-125)  
Cancer Antigen 15-3 (CA-15-3)  
Cancer Antigen 19-9 (CA-19-9)  
Carcinoembryonic Antigen (CEA)  
Alpha Fetoprotein (AFP)  
Neuron Specific Enolase (NSE)  
Prostate Specific Antigen, Total (PSA, Total)  
Human Chorionic Gonadotropin (Beta-HCG)  
Vascular Endothelial Growth Factor (VEGF)  
Matrix Metalloproteinase 2 (MMP-2)  
Matrix Metalloproteinase 9 (MMP-9)  
Interleukin 6 (IL-6)

**CARDIOVASCULAR/STROKE**

Sum Total Cholesterol  
Total LDL - Direct  
Total HDL - Direct  
Total VLDL - Direct  
Triglycerides - Direct  
Total Non-HDL (LDL + VLDL)  
Total Apolipoprotein B100, Calculated  
Sum Total LDL-C  
Lipoprotein (a) (Lp(a))  
IDL Cholesterol  
LDL Real Cholesterol  
Real LDL-C Size pattern  
Remnant Lipoproteins (IDL + VLDL3)  
HDL-2  
HDL-3  
VLDL-3  
C-Reactive Protein, High Sensitivity (hs-CRP)  
Homocysteine

**DIABETES**

Glucose  
Hemoglobin A1C (Hgb A1c)  
Insulin  
C-peptide  
Insulin Antibody  
Pancreatic Islet Cell Antibody

**METABOLIC SYNDROME**

Triglycerides - Direct  
Glucose  
Total HDL - Direct

**WEIGHT-RELATED**

Pancreatic Polypeptide (PP)  
Glucagon-Like Polypeptide 1 (GLP-1)  
Leptin  
Resistin

**THYROID**

Thyroid Stimulating Hormone (TSH)  
Free Thyroxine (Free T4)  
Free Triiodothyronine (Free T3)  
Thyroglobulin Antibody  
Thyroid Microsomal Antibody

**HEMATOLOGY**

Complete Blood Count (CBC)  
Ferritin

**HORMONES**

Estradiol  
Progesterone  
DHEA-S  
Prolactin  
Follicle Stimulating Hormone (FSH)  
Luteinizing Hormone (LH)  
Sex Hormone Binding Globulin (SHBG)  
Testosterone, Total  
Testosterone, Bioavailable  
Cortisol

**IMMUNE**

Immunoglobulin E

**ORGAN – LIVER, KIDNEY,  
GASTROINTESTINAL**

Gastrin  
Vitamin B12  
Vitamin D 25 OH  
tTG Antibody  
Helicobacter Pylori Antibody (H. pylori Ab)  
Comprehensive Metabolic Panel (CMP)  
Blood Urea Nitrogen (BUN)  
Creatinine  
BUN/Creatinine  
Sodium  
Potassium  
Chloride  
Carbon Dioxide  
Calcium  
Protein, Total  
Albumin  
Globulin, Calculated  
Albumin/Globulin ratio  
Bilirubin  
Alkaline Phosphatase (ALP)  
Aspartate Aminotransferase (AST)  
Alanine Aminotransferase (ALT)

**AUTOIMMUNE**

Beta-2-Glycoprotein Antibody  
Double Stranded DNA (dsDNA)  
Scleroderma 70 Antibody (Scl 70 Ab)  
Smith Antibody  
SSA Antibody  
SSB Antibody  
Rheumatoid Factor Antibody