

# BiophysicalSEX&ENERGY™

The Most Advanced Metabolic Evaluation Available

## What is BiophysicalSex&Energy?

Not all medical conditions are obvious and easy to diagnose. Some have vague symptoms that appear over months or even years, causing us not to notice that we may be suffering from a disease. Often people write off their symptoms, including changes in weight, as the result of aging or the stresses of modern living in a hectic world. But there may be medical reasons for the changes you are feeling and there may be some simple steps that you can take to correct these changes.

BiophysicalSex&Energy profiles biomarkers for many of the conditions that may cause this sense of “something might be wrong”, focusing on metabolic function and hormone status.

## Sex Hormones

Sex hormone levels change as we age, with some decreasing while others increase. Sometimes hormone levels can be out of balance, producing undesirable symptoms, including low energy and low sex drive. BiophysicalSex&Energy measures hormone levels to help determine if symptoms could be the result of an imbalance.

## Obesity

Researchers now understand that obesity can cause a host of medical problems. Biomarkers linked to appetite and obesity are measured along with biomarkers for diabetes and insulin resistance, two conditions commonly seen with obesity.

## Aging

It is easy to write off low energy as just part of the natural aging process. Yet aging itself is only a manifestation of chemical and biological changes your body undergoes as the years pass. Many of these changes can be treated if they are causing symptoms or problems. BiophysicalSex&Energy helps you detect these changes, while plotting a course correction with your physician. Routine assessment keeps you in tune with what your body is telling you.

With an eye on hormones, liver and thyroid function, anemia, diabetes, and blood chemistry, BiophysicalSex&Energy looks at a wide variety of the medical causes of low energy. This gives you and your physician a powerful tool to be used as a part over your overall wellness strategy.

BiophysicalSex&Energy includes the following biomarkers:

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**DIABETES**

Glucose  
Hemoglobin A1c (Hgb A1c)  
Insulin  
C-peptide

**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)

**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

**ORGAN – LIVER, KIDNEY,  
GASTROINTESTINAL**

Gastrin  
Vitamin B12  
Vitamin D 25 OH  
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)

## Established Science

BiophysicalSex&Energy is based on science used by researchers for the world’s leading pharmaceutical and biotechnology companies, as well as universities and government laboratories. Biomarker applications are rapidly expanding in every field of medicine, and BiophysicalSex&Energy brings this new technology to patients and their physicians at an affordable price.

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