

The Sunshine Chiropractic Clinic

380 High Street
Maryville, TN 37804
(865)984-6850

The Sunshine Chiropractic Clinic

404 Northshore Drive
Knoxville, TN 37919
(865)584-0080

BIOLOGICAL TERRAIN ASSESSMENT

What Is Biological Terrain?

Quite simply, it is the bio-chemical environment produced within our bodies. It is a delicate balance of acid-alkaline activity, sympathetic/parasympathetic activity, and oxidation-reduction activity. It is the result of the dance of electrons back-and forth, releasing energy needed to sustain life in our bodies.

It can be witnessed through the bio-chemical fluids of the body: saliva, urine, and blood. These extra-cellular fluids contain the metabolic residues of the body's cell chemistry and can provide the practitioner with a biochemical diary of the patient. From these body fluids, the astute practitioner can measure the underlying bio-chemical state of the patient.

This biological terrain is the "soil" from which our health issues forth. It is both potential and kinetic, constantly changing, constantly adjusting to the demands we place upon our body systems. Just as in the garden, an unhealthy soil leads to unhealthy plants, an unhealthy biological terrain can lead to ill-health.

The multitude of diseases that plague mankind begin with an imbalance in the biological terrain.

Every physical experience, every food we eat and every stress that we endure leave an impression on the bio-chemical systems of the body.

To truly understand how our lives impact our terrain, it is important to have a means to test and measure chemistry of the biological terrain. *Lasting health comes forth only when the biological terrain is in balance.*

Why Measure The Biological Terrain?

Treating the biological terrain helps to avert bio-chemical states that precede disease states. Furthermore, treating specific disease states become easier when the underlying biological terrain is concurrently balanced.

Biological Terrain Assessment is a method of measuring our internal environment, or "biological terrain."

Based on the most advanced research in Europe and America it has been found that by evaluating samples of: Saliva, urine and blood—and then accurately measuring the three parameters

- pH (acid-alkaline balance);
- redox potential (the degree of oxidation); and
- resistivity (the degree of mineralization)

It is possible to monitor one's overall health status, energy reserves, digestive efficiency and the body's susceptibility to the major degenerative diseases.

Our biological terrain reflects our health and determines the quality of our life. Viruses, bacteria, fungi and parasites will only thrive in a terrain that supports them in much the same way that plants fail to grow or become infected by bugs and parasites if the soil is deficient or imbalanced.

Urine & Saliva Tests

Adrenal Stress Test

This is a specialized urine test that measures the amount of chloride displaced into the urine. Excess chloride in the urine is a reliable measurement of adrenal stress or adrenal fatigue. Adrenal stress is now a major health challenge and results from our fast-paced lifestyle. (continued)

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Calcium Test

This test looks at the levels of calcium in the urine and its significance. Moreover, this test can also be a possible indicator of parathyroid problems.

Malabsorption Test

This urine test allows us to screen you for the presence of harmful anaerobic bacteria and bowel dysbiosis. Dysbiosis is a toxic condition caused by a decline in the population of beneficial digestive bacteria. This can lead to malabsorption, digestive disturbances, allergies, and inflammatory symptoms.

Vitamin C Test

Vitamin C is crucial to the health of the immune system, vascular system, and connective tissue, and is a powerful antioxidant. This quick urine test will help determine your vitamin C status.

Zinc Taste Test

This product can be used as a zinc dietary supplement as well as a quick way to evaluate the zinc status of the body when using it as a taste test.

Oxidata Test

The Oxidata Test is an advanced technology. It is the world's first free radical test that can determine the person's free radical activity in the body within minutes. People of all ages can benefit from knowing if they are getting enough antioxidants in their diets and nutritional supplements to counteract free radical damage to cells. On the other hand, some patients may be losing free electrons in their urine, signifying low oxidation (redox). In this case, more antioxidants may worsen the condition.

Chemstrip Test

This easy to use urine dipstick can be used to screen for possible organ pathology.

Saliva PH Test

The pH test helps your physician to detect deep levels of physical and mental stress. When highly stressed, the body becomes acidic, which in turn displaces valuable alkaline minerals. This is an excellent screening for mineral deficiency.

In-Office Screening & Analysis of Metabolic Markers—measuring the Metabolic Burdens Which Can Lead to Chronic Disease

Recent developments in urine testing have made it possible to look into the more subtle levels of human biochemistry. Metabolic by-products found in urine reveal the negative direction one's health is moving in, and can provide insight into the causes of many conditions.

Many "Baby Boomer" diseases, such as Osteoporosis, Cardiovascular Conditions, Hypertension, and Arthritis can be linked to increases in these metabolic by-products and toxins. Many of these by-products, if not addressed, can lead to chronic illness.

By monitoring the key metabolic markers, one can target lifestyle changes and nutritional supplements properly to improve cellular metabolism and lessen stress on the body.

The following tests are key markers necessary to make informed decisions on health status and nutritional support. When performed together, they reveal important trends not otherwise available.

Sugars

Sugar metabolism is tremendously important with regards to the body's ability to access the appropriate energy production pathways. Without proper glycemic control, energy will fluctuate. This measurement is for total urinary sugars, not just glucose. Urinary sugars are tested to measure both high and low levels in the body.

Mineral Salts

Mineral salt compounds can destroy tissue, over-stimulate the nervous system, and threaten the health of the heart. This test will identify the levels of mineral salts. People with decreased mineral salts tend to be more fatigued, anemic and have weak energy. They tend to be prone to cold temperatures and lower blood pressure. On the other hand, high electrolyte types tend to have more oxidation, higher blood pressure and stress, which can lead to hypertension and cardiac stress.

Ureas: Nitrates & Ammonias

This test will accurately measure Ureas, which are waste products left over from normal chemical reactions in the body. High amounts of these by-products can burden the liver and kidneys over time. Weak kidney and liver function are foundational in many chronic conditions.

The metabolic markers mentioned in this newsletter can help in monitoring overall health, as well as tailoring a diet and lifestyle regiment unique to your needs. The metabolic burdens on your body can now be measured and corrected in an objective, economic, and timely manner.

References: Apex Energetics