

Ask your healthcare provider about test options or connect with us:

1 800 US ALCAT

(1.800.872.5228)

Information: info@cellsciencesystems.com
Nutrition: hello@previmedica.com

Cell Science Systems, Corp.
852 South Military Trail
Deerfield Beach, FL 33442



ALCATTEST

CNA CELLULAR NUTRITION ASSAYS

GENOMIC INSIGHTS

Practice stamp

0720

ALCATTEST

Food & Chemical Sensitivity

CNA CELLULAR NUTRITION ASSAYS

Micronutrient Insufficiency & Cell Protection

GENOMIC INSIGHTS

Functional Genetics (Methylation)

What to eat and what not to eat?

Which supplements to take to fill in the "nutrient gaps" and provide the most protection

What genetic variants to "work around"?

Test don't guess!

Functional Laboratory Testing aimed at **personalized nutrition** and prevention of chronic inflammation and autoimmune disease.

Cell Science Systems Corp. (CSS) is a specialty clinical laboratory that develops and performs testing in immunology, serology, cell biology, and other specialties supporting the personalized treatment and prevention of chronic disease.

CSS operates a CLIA-certified laboratory and is an FDA inspected and registered, cGMP medical device manufacturer meeting ISO EN13485:2012 standards.

NEW Publication 3/2020

CONCLUSION:

[...] high food sensitivity is associated with a higher nutrient deficiency, a stronger oxidative stress response and a lower immune redox status.

Functional Foods in Health and Disease. 2020; 10(3): 127-138. DOI: <https://doi.org/10.31989/ffhd.v10i3.695>

How can it help?

» My doctor recommended the CNA together with the Alcat Test because no tests helped my skin rash. I was amazed that my skin problems were gone after only 6 weeks and I feel much better. Some fruits, veggies and casein were reactive in my Alcat list. I was missing vitamin E and K. You can't guess - I found out what "healthy" means for me only after I got tested! <<< (Jennifer)

CNA CELLULAR NUTRITION ASSAYS



**You're unique.
Eat like it.™**

Test micronutrient and antioxidant needs to nourish and protect your body at the cellular level.

Personalized nutrition is the key!

Nutrients are essential to health. Vitamins, minerals, amino acids, and fatty acids are utilized within cells and are the "spark" behind metabolic reactions. It is also vital to maintain balance between oxidant stress and antioxidant factors to prevent damage in the body.

Science based personalized diet for optimum metabolism • vitality • performance • immune support • protection from oxidative damage

Whether you consume a health promoting eating pattern or find yourself struggling with balanced nutrition, this test can support:

- **Nutrition & health** status optimization with a tailored food and supplement plan
- **Weight** management, obesity
- **High performance** and/or severe stress
- **Sports nutrition**
- **Women's health;** fertility, pregnancy, lactation, perimenopause, menopause
- **Burnout,** fatigue, depression, mood swings, low vitality
- **Chronic and metabolic conditions** (increased blood pressure and blood sugar, excess body fat, abnormal cholesterol)
- **Pre and post-surgery**

Nutrient requirements are unique to each individual and are impacted by many factors. Stress, genetics, energy output, medical conditions, infections, toxic burden, and sleep patterns all play a role.

Your micronutrient test

- **Test to determine your cellular micronutrient status → 52 vitamins, minerals, amino acids**

Nutrient stores in cells reflect long-term nutritional status and have the most functional impact. We analyze the direct response of your immune cells (lymphocytes) when individual micronutrients are added to them. Increased nutrient need is indicated by an increase in activity of your cells.

Your cell protection test

- **Cell stress test (Redox assay)**
- **Antioxidant Protection Assay (APA) / → 48 nutrients, botanicals, and phytonutrients**

These tests go hand in hand. The Redox Assay or your "cell stress test" determines your antioxidant capacity, in other words, your cells' ability to resist oxidative damage. The APA takes all the guesswork out of identifying which nutrients would work best to protect your cells, resist oxidative damage, and improve your overall antioxidant capacity (Redox).

More than just a snapshot. Our tests are exactly calibrated according to YOUR cells' needs.

How to get tested

- **Ask your healthcare practitioner or reach out to us to learn more about test options and to obtain a test kit**
- **A simple blood draw is needed**
- **Get your test results in 5-7 days**



Test results are easy to understand

- Your micronutrient insufficiency report contains 52 vitamins, minerals, amino acids, and other nutrients
- Your antioxidant cell-protection test contains 48 antioxidants, botanicals, phytonutrients, anti-inflammatory nutrients, fatty acids, and enzymes

Nutrients are highlighted according to your cellular responses. Descriptions of each "insufficient" nutrient and "protective" antioxidant are provided along with foods to emphasize to meet the increased nutrient need.

Understanding Your Cellular Nutrition Assays



We highly recommend that this test be used as part of a comprehensive nutritional assessment with individualized guidance from a qualified nutrition practitioner. If your practitioner does not provide nutrition therapy, you are welcome to arrange consultations with a PreviMedica nutritionist. Contact us at hello@previmedica.com