

LET FOOD BE THY MEDICINE...

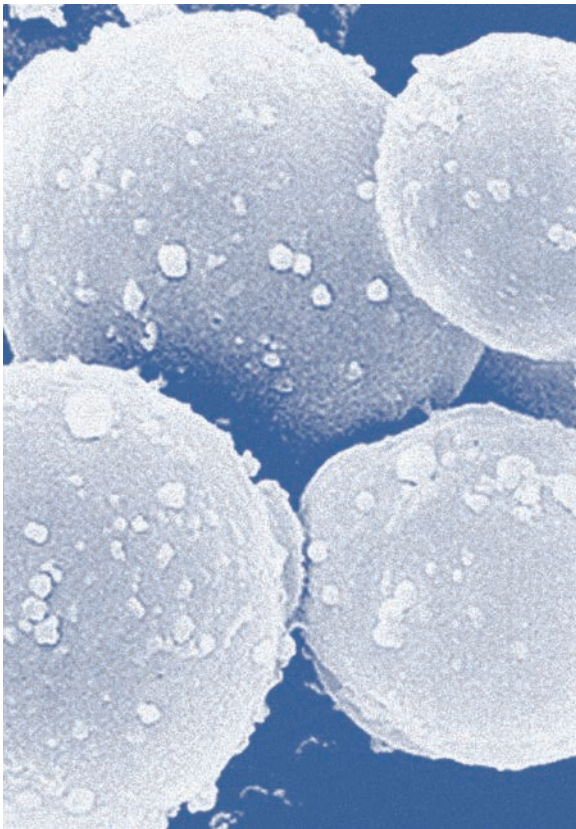
The Alcat Test is a simple blood test that tells you which foods may be a problem and which foods might be beneficial for you.



ALLERGY VS. SENSITIVITY

The Alcat Test is now considered the, “gold standard” laboratory method for identification of non-IgE mediated reactions to over 400 different foods, chemicals, and other categories of substances. It is a functional response test and captures the final common pathway of many of the pathogenic mechanisms, immunologic, toxic, and pharmacologic that underlie non-IgE mediated reactions to foods and chemicals.

Alcat Test frequently reveals clinically significant reactions that don't fall within the conventional definition of allergy.



The term “allergy” is often used as a catchall phrase to describe all of the body's altered and excessive responses to otherwise harmless substances. However, a true allergic reaction is a function of the specific immune system while the broader category of intolerance is generally associated with nonspecific immunity.

Food intolerance is much more common than true food allergy. However, many people are unaware that they suffer from food intolerance because their symptoms may vary widely and often appear hours, or even days, after the causative agent is consumed.

Alcat Testing is based on the understanding that food intolerances arise from activation of cellular responses of the innate immune system. Instead of perceiving them as harmless, the immune system responds to specific foods and other substances as though they were threats requiring aggressive targeting, which, in fact, they may be.

WHY ALCAT?



In 2008 over 24 million adults and children in the United States were suffering from diabetes and over 64 percent of adults were overweight or obese.

According to the United States Department of Agriculture, it is estimated that over 34 million people in the United States have food sensitivity.

According to the Mayo Clinic, as many as 1 in 5 people have Irritable Bowel Syndrome (IBS), yet fewer than half seek medical attention.

Nearly 12 percent of the United States suffers from migraine headaches, with one-third of sufferers getting them more than three times per month.

The immune system is a double edged sword. It should react appropriately and protect against infection when confronted with harmful invaders or “infectious agents” like viruses or bacteria. Unfortunately for some, exposure to common foods, chemicals and molds may trigger chronic activation of the immune system. The Alcat Test had provided healthcare professional and their patients with a tool for managing a wide variety of conditions linked to inflammation and chronic activation such as migraines, aching joints, fatigue, gastrointestinal disorders, eczema, hyperactivity, ADD, Asthma and even obesity.



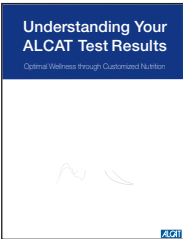
Test Results

The Alcat Test results are presented in an easy to understand, color-coded format. They highlight each patient's incompatible foods and the level of each reaction (severe, moderate or mild).



Rotation Plan

Each test result also includes a customized 4-Day Rotation Plan. Studies have shown that variety in the human diet is very important to health and wellbeing.



Results Guide

Education is an important component to the Alcat Test and achieving optimal wellness. That's why the 'Understanding Your Alcat Test Results' booklet is included free with every test result. This booklet explains the format of your test results and rotation plan. It also provides a glossary of terms that will make interpreting your results much easier.



Wallet Size Results Card

Included with every test result is a complimentary wallet size results card. This card conveniently lists all the reactive foods so you don't have to carry your results folder when at the fresh foods market or a restaurant.

Consultation

Each test comes with a complimentary 30 minute results review with a nutritional counselor (with healthcare providers authorization)

Platinum Comprehensive:

320 items

- 200 Foods
- 50 Functional Foods & Medicinal Herbs
- 20 Food Additives/Colorings
- 10 Environmental Chemicals
- 21 Molds
- 20 Antibiotics/Anti-Inflammatory Agents

Comprehensive Wellness 1:

250 items

- 200 Foods
- 20 Food Additives/Colorings
- 10 Environmental Chemicals
- 21 Molds

Comprehensive Wellness 2:

220 items

- 200 Foods
- 20 Food Additives/Colorings

Comprehensive Wellness 3:

200 items

- 150 Foods
- 20 Food Additives/Colorings
- 10 Environmental Chemicals
- 21 Molds

Comprehensive Wellness 4:

170 items

- 150 Foods
- 20 Food Additives/Colorings

Comprehensive Wellness 5:

150 items

- 100 Foods
- 20 Food Additives/Colorings
- 10 Environmental Chemicals
- 21 Molds

Comprehensive Wellness 6:

120 items

- 100 Foods
- 20 Food Additives/Colorings

Pediatric Wellness:

70 items total

- 50 Foods
- 20 Food Additives/Colorings

Herbal Wellness 1:

270 items total

- 200 Foods
- 50 Functional Foods & Medicinal Herbs
- 20 Food Additives/Colorings

Herbal Wellness 2:

220 items total

- 150 Foods
- 50 Functional Foods & Medicinal Herbs
- 20 Food Additives/Colorings

FOOD PANELS

50 FOOD PANEL

Children 3 and Under

Apple	Corn	Peanut
Baker's Yeast	Cottonseed	Pear
Banana	Cow's Milk	Pork
Barley	Egg White	Rice (Brown/White)
Beef	Egg Yolk	Shrimp
Black Pepper	Fructose	Soybean
Broccoli	Garlic	Strawberry
Butternut Squash	Gluten/Gliadin	String Bean
Cabbage	Grape	Sweet Potato
Cane Sugar	Green Pea	Tomato
Cantaloupe	Iceberg Lettuce	Tuna
Carrot	Lamb	Turkey
Casein	Lemon	Vanilla
Cauliflower	Mustard	Wheat
Chicken	Oat	White Potato
Cinnamon	Onion	Yellow Squash
Cocoa	Orange	

100 FOOD PANEL

50 Food Panel Plus

Almond	Coffee	Parsley
Asparagus	Crab	Peach
Avocado	Cranberry	Pecan
Basil	Cucumber	Pineapple
Bell Pepper Mix (green, red, yellow and orange peppers)	Eggplant	Pinto Bean
Blueberry	Ginger	Plum
Brewer's Yeast	Goat's Milk	Psyllium
Brussels Sprout	Grapefruit	Rye
Candida Albicans	Halibut	Salmon
Carob	Honey	Scallop
Cashew	Hops	Sesame
Celery	Lime	Snapper
Cherry	Lobster	Sole
Clam	Millet	Spinach
Coconut	Mushroom	Tea
Codfish	Olive	Watermelon
	Oregano	Whey

150 FOOD PANEL

100 Food Panel Plus

Amaranth
 Apricot
 Artichoke
 Bay Leaf
 Blackberry
 Black Beans
 Black-Eyed Pea

BXbeStXbeS TSXbeStdScTXbdSkca'XTTXbdScglgrTahSeTaSeIkSBTXbeSITXbdSuTXbeSeTbeSaTaaScTa'KXaYbceKtSITanSIT

VEGETARIAN PANELS

150 VEGETARIAN PANEL

Almond	Carob	Eggplant	Lima Bean	Pecan	Strawberry
Apple	Carrot	Endive	Lime	Peppermint	String Bean
Apricot	Casein	Fava Bean	Macadamia	Pine Nut	Sunflower
Artichoke	Cashew	Fig	Malt	Pineapple	Sweet Potato
Asparagus	Cauliflower	Flaxseed	Mango	Pinto Bean	Swiss Chard
Avocado	Cayenne Pepper	Fructose	Maple Sugar	Pistachio	Tapioca
Baker's Yeast	Celery	Garlic	Millet	Plum	Tarragon
Banana	Chamomile	Ginger	Mung Bean	Pomegranate	Tea
Barley	Cherry	Gluten/Gliadin	Mushroom	Portobello Mushroom	Thyme
Basil	Chickpea	Goat's Milk	Mustard	Psyllium	Tomato
Bay Leaf	Chili Pepper	Grape	Navy Bean	Pumpkin	Tumeric
Bell Peppers	Chocolate	Grapefruit	Nectarine	Radish	Turnip
Black Pepper	Cinnamon	Green Pea	Nutmeg	Raspberry	Vanilla
Black-Eyed Pea	Clove	Hazelnut	Oat	Red Beet	Walnut
Blackberry	Coconut	Honey	Okra	Rhubarb	Watermelon
Blueberry	Coffee	Honeydew (melon)	Olive	Rice	Wheat
Brazil Nut	Corn	Hops	Onion	Romaine Lettuce	Whey
Brewer's Yeast	Cow's Milk	Jalapeno Pepper	Orange	Rosemary	White Potato
Broccoli	Cranberry	Kale	Oregano	Rye	Yellow Squash
Brussel Sprouts	Cucumber	Kelp	Papaya	Saffron	Zucchini
Buckwheat	Cumin	Kidney Bean	Paprika	Sage	
Cabbage	Curry	Kiwi	Parsley	Seaweed Wakame	
Candida Albican	Date	Leek	Parsnip	Sesame	
Cane Sugar	Dill	Lemon	Peach	Sorghum	
Cantaloupe	Egg White	Lentil Bean	Peanut	Soybean	
Caraway	Egg Yolk	Lettuce	Pear	Spinach	

200 VEGETARIAN PANEL (150 vegetarian food panel plus items listed below)

Acorn Squash	Canola Oil	Escarole	Mustard Greens	Spearmint
Adzuki Beans	Capers	Fennel	Nutritional Yeast	Spelt
Arrow Root	Cardamom	Guava	Persimmon	Star Fruit
Arugula	Chia	Hemp	Quinoa	Tangerine
Black Beans	Chives	Horseradish	Safflower	Taro
Black Currant	Chicory	Lactose	Scallions	Teff
Bok Choy	Cilantro	Leaf Lettuce	Shallots	Water Chestnut
Boston Bibb Lettuce	Collard Greens	Licorice	Sheep's Milk	Watercress
Butternut Squash	Coriander	Lychees	Shiitake Mushroom	Wild Rice
Cannellini Beans	Dandelion	Molasses	Spaghetti Squash	Yam

ADDITIONAL TEST PANELS

50 FUNCTIONAL FOODS & MEDICINAL HERBS

Açai Berry	Chlorella	Goldenseal	Milk Thistle	Schizandra Berry
Agave	Chondroitin Sulfate	Grape Seed Extract	Mullein Leaf	Senna
Aloe	Dandelion	Guarana Seed	Noni Berry	Spirulina
Ashwagandha	Echinacea Angustifolia	Gymnema Sylvestre	Pau d'Arco Bark	St John's Wort
Astragalus	Elderberry	Hawthorn Berry	Pine Bark	Stevia Leaf
Barley Grass	Essiac	Huperzine	Red Yeast Rice	Valerian
Bee Pollen	Feverfew	Kava Kava	Reishi Mushroom	Vinpocetine
Bilberry	Ginkgo Biloba	Lo Han	Resveratrol	Wheatgrass
Black Walnut Hull	Glucosamine	Lutein	Rhodiola	Wormwood
Cascara	Goji Berry	Maitake Mushroom	Rooibos Tea	Yellow Dock

50 FEMALE HERBS

Alfalfa Leaf	Calendula	Gotu Kola	Marshmallow Root	Sarsaparilla
Arnica	Cat's Claw	Horse Chestnut	Mistletoe	Siberian Ginseng
Black Cohosh	Chaparral Root	Horsetail	Motherwort	Skull Cap
Blessed Thistle	Chasteberry	Irish Moss	Myrrh	Slippery Elm Bark
Blue Cohosh	Cramp Bark	Juniper Berry	Nettle Leaf	Squaw Vine
Bupleurum Root	Damiana	Korean Ginseng	Pennyroyal	Uva Ursi
Boswellia	Dong Quai	Lavender	Peony Root	White Willow Bark
Buchu Leaf	Evening Primrose	Lemon Balm	Red Clover Flower	Wild Yam
Burdock	False Unicorn	Lobelia	Red Raspberry Leaf	Yarrow
Butcher's Broom Root	Fo-Ti Root	Maca Root	Rehmannia Root	Yerba Maté

40 MALE HERBS

Alfalfa Leaf	Chaparral Root	Juniper Berry	Myrrh	Skull Cap
American Ginseng	Cnidium Monnier	Korean Ginseng	Nettle Leaf	Stinging Nettle Root
Arnica	Damiana	Lobelia	Pumpkin Seed	Tribulus Terrestris
Burdock	Dong Quai	Lycopene	Pygeum Bark	Uva Ursi
Butcher's Broom Root	Fo-Ti Root	Maca Root	Rehmannia Root	Velvet Deer Antler
Calendula	Gotu Kola	Mistletoe	Sarsaparilla	Yarrow
Cat's Claw	Horny Goat Weed	Mucuna Pruriens	Saw Palmetto	Yerba Maté
Catuba	Irish Moss	Muira Puama	Siberian Ginseng	Yohimbe Bark

ADDITIONAL TEST PANELS



20 FOOD ADDITIVES/COLORINGS

Aspartame	Anisole (BHA)	Erythritol	Potassium Nitrite	Sorbic Acid
Benzoic Acid	Butylated Hydroxy	Green #3	Red #40	Sucralose
Blue #1 & #2	Toluene (BHT)	MSG	Saccharine	Yellow #5 & #6
Butylated Hydroxy	Citric Acid	Polysorbate 80	Sodium Sulfite	Xylitol

21 MOLDS

Alternaria Alternata	Cladosporium Herbarum	Geotrichum Candidum	Mucor Racemosus	Rhizopus Stolonifer
Aspergillus Fumigatus	Curvularia	Helminthosporium	Penicillium Notatum	Rhodotorula Rubra
Botrytis Cinerea	Epicoccum Nigrum	Horrodendrum	Phoma Destructiva	Spondylocladium
Candida Albicans	Fusarium Oxysporum	Monilia Sitophila	Pullularia	Trichoderma
Cephalosporium				

10 ENVIRONMENTAL CHEMICALS

Ammonium Chloride	Chlorine	Fluoride	Glyphosate	Phenol
Benzene	Deltamethrin	Formaldehyde	Orris Root	Toluene

“I am writing to provide my clinical experience with Alcat
Test over the past 15 years. The test has been used in

REFERENCES

1. Deutsch, R.D. (2007). The Right Stuff: Use of Alcat testing to Determine Dietary Factors Affecting Immune Balance, Health, and Longevity. *Anti-Aging Therapeutics* Volume X. 51-69.
2. Fell P, Soulsby, S and Brostoff, J. (1991). Cellular Responses to Food Intolerance in Irritable Bowel Syndrome – an Investigation of The Alcat Test. *Journal of Nutritional Medicine* (2), 143-149.
3. IMS Health. (2006). Influence of Food Intolerance in Migraines. Immunological Center of Catalunya. Final Report of Statistical Results
4. Kaats G, Pullin D and Parker L. (1996). The Short Term Efficacy of The Alcat Test of Food Sensitivities to Facilitate Changes in Body Composition and Self-reported Disease Symptoms: A Randomized Controlled Study. *The Bariatrician*, Spring 1996.
5. Rosenbaum, M. (1998). *Energy For Life*. Health Sciences Institute: Members Library of Modern Underground Medicine. Volume III
6. Health Sciences Institute. (1998). *Overcoming Arthritis: Hidden Causes and Permanent Solutions*. Members Library of Modern Underground Medicine. Volume IV
7. HØJ, L. (1995). Food Intolerance in Patients with Angiodema and Chronic Urticaria. An Investigation by RAST and Alcat Test. Presented at the XVI European congress of Allergology and Clinical Immunology – Supplement, Number 26, Vol. 50
8. Kotsanis C, Dart L, Harjes C and Miller R. Autism – A Multidisciplinary Approach to Treatment. DFW Ear, Nose & Throat Associates. Grapevine, TX
9. Fell P, Brostoff J, et.al. (1988). Alcat – “A New test For Food Induced Problems in Medicine?” Presented at the Annual Meeting of the American Academy of Otolaryngic Allergy on Oct. 1, 1988.
10. Fell P, Brostoff J, and Pasula, M. (1988). High Correlation of The Alcat Test Results with Double Blind Challenge (DBC) in Food Sensitivity. Presented at the 45th Annual Congress of the American College of Allergy and Immunology, Los Angeles, CA: November 12-16, 1988
11. Cordain diet: health implications for the 21st century. *American Journal of Clinical Nutrition*. 81: 341-54
12. Cessna R. (2002). The Four-Day Rotation Diet. *Original Internist*, 9(2), 11-18

CSS Overview

Cell Science Systems (www.alcat.com) is a specialty clinical laboratory and medical device manufacturer that develops and performs laboratory testing in immunology, cell biology, genetics as well as other preventive medical laboratory tests supporting the personalized treatment and prevention of chronic disease. Cell Science Systems, Corp. operates a CLIA certified laboratory and is a FDA inspected registered, cGMP medical device manufacturer meeting ISO EN13485 standards. Cell Science Systems is best known for pioneering the Alcat Test for food and chemical sensitivities.

- FDA Registered/Inspected Device Manufacturer
- Available in over 20 countries worldwide
- Over 400 available test agents - Foods, Food Additives, Medicinal Herbs and Functional Foods, Food Colorings, Molds and Chemicals
- Meal plans/Recipes available
- Nutritional Counseling available
- Mobile/Walk-In Blood Draws Available in U.S and Canada

Ask your provider to explain available testing options

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