

CELL SCIENCE SYSTEMS TEST REFERENCE GUIDE

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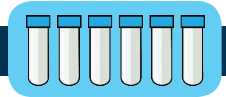
CICA: Celiac, IBS and Crohn's Array Panels

Genomic Insights™ Panels

Adrenal Stress Profile Panel



Cell Science Systems Laboratory | Deerfield Beach, FL



Alcat Test Comprehensive Profiles

Platinum Plus

357 ITEMS:

- 237 Foods
- 50 Functional Foods & Medicinal Herbs
- 30 Food Additives/Colorings/
Environmental Chemicals
- 20 Molds
- 20 Antibiotics/Anti-inflammatory Agents

Platinum Comprehensive

320 ITEMS:

- 200 Foods
- 50 Functional Foods & Medicinal Herbs
- 30 Food Additives/Colorings/
Environmental Chemicals
- 20 Molds
- 20 Antibiotics/Anti-inflammatory Agents

Pediatric Wellness

81 ITEMS:

- 50 Foods
- 30 Food Additives/Colorings/
Environmental Chemicals
- 1 Candida albicans

Comprehensive Wellness 1

250 ITEMS:

- 200 Foods
- 30 Food Additives/Colorings/
Environmental Chemicals
- 20 Molds

Comprehensive Wellness 2

230 ITEMS:

- 200 Foods
- 30 Food Additives/Colorings/
Environmental Chemicals

Comprehensive Wellness 3

200 ITEMS:

- 150 Foods
- 30 Food Additives/Colorings/
Environmental Chemicals
- 20 Molds

Test Panels

For the most up-to-date list of items tested within each panel visit cellsciencesystems.com

Panels

- 50 Food Panel
- 100 Food Panel
- 150 Food Panel
- 200 Food Panel
- 237 Food Panel
- 150 Vegetarian Food Panel
- 200 Vegetarian Food Panel

Panels

- 50 Functional Foods & Medicinal Herbs
- 50 Female Herbs
- 40 Male Herbs
- 40 Preservatives/ Expanded Additives
- 30 Food Additives/Colorings/ Environmental Chemicals
- 21/20 Molds
- 20 Antibiotics/ Anti-Inflammatory Agents

Alcat Test Panel Contents

ALCAT TEST - FOOD PANELS

50 Food Panel

children 3 and under

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

100 Food Panel

50 Food Panel Plus Items Below

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

150 Food Panel

100 Food Panel Plus Items Below

Amaranth	Malt
Apricot	Mango
Artichoke	Navy Bean
Bay Leaf	Nutmeg
Blackberry	Oyster
Black Beans	Papaya
Black-Eyed	Paprika
Pea	Peppermint
Buckwheat	Pistachio
Caraway	Pumpkin
Cayenne	Radish
Chickpea	Pepper
Clove	Rasperry
Cumin	Red Beet
Date	Safflower
Dill	Sage
Duck	Sardine
Fig	Sea Bass
Flaxseed	Sunflower
Haddock	Tapioca
Hazelnut	Thyme
Honeydew	Tilapia
Kidney Bean	Trout
Kiwi	Turnip
Lentil Bean	Melon
Lima Bean	Veal
	Walnut

200 Food Panel

150 Food Panel Plus Items Below

Acorn	Mackerel
Squash	Mahi Mahi
Ancho Chili	Maple Sugar
Pepper	Mung Bean
Anchovy	Mussel
Bison	Nectarine
Bok Choy	Okra
Brazil Nut	Parsnip
Cardamom	Pine Nut
Catfish	Pomegranate
Chamomile	Portobello
Chicken Liver	Mushroom
Cilantro	Quinoa
Coriander	Romaine
Seed	Lettuce
Endive	Rosemary
Fava Bean	Saffron
Fennel Seed	Scallion
Flounder	Sorghum
Grouper	Spelt
Jalapeño	Swiss Chard
Pepper	Swordfish
Kale	Teff
Kelp	Turmeric
Leaf Lettuce (Red/Green)	Venison
Leek	Watercress
Licorice	Wild Rice
Macadamia	Zucchini
	Squash

237 Food Panel

200 Food Panel Plus Items Below

Adzuki	Nutritional
Beans	Yeast
Arrowroot	Persimmon
Arugula	Rhubarb
Black	Shallot
Currant	Sheep's Milk
Boston Bibb	Shiitake
Lettuce	Mushroom
Cannellini	Spaghetti
Bean	Squash
Capers	Spearmint
Chia	Star Fruit
Chicory	Tangerine
Chives	Taro Root
Collard	Tarragon
Greens	Wakame
Curry	Seaweed
Dandelion	Water
Leaf	Chestnut
Escarole	Yam
Guava	
Hemp	
Horseradish	
Lactose	
Lychee	
Molasses	
Mulberry	
Mustard	
Greens	

Vegetarian Panels available at cellsciencesystems.com

ALCAT TEST - ADDITIONAL PANELS

50 Functional Foods & Medicinal Herbs

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

50 Female Herbs

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

40 Male Herbs

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

30 Food Additives/Colorings/Environmental Chemicals

Acid Blue #3	Nickel Sulfate
Acid Red #14	Orris Root
Ammonium Chloride	Polysorbate 80
Annatto	Red #4 (Carmine)
Aspartame	Red #40 (Allura Red)
Benzoic Acid	Saccharin
BHA	Sodium Sulfite
BHT	Sorbic Acid
Blue #1 (Brilliant Blue)	Sucralose (Splenda)
Blue #2 (Indigo Carmine)	Xylitol
Brilliant Black	Yellow #5 (Tartrazine)
Chlorine	Yellow #6 (Sunset Yellow)
Citric Acid	
Deltamethrin	
Erythritol	
Fluoride	
Green #3 (Fast Green)	
MSG	

40 Preservatives/Expanded Additives

Acacia Gum	Methenamine
Adipic Acid	Methyl Anthranilate
Alum	Phosphoric Acid
Ascorbic Acid	Polydextrose
Beta Carotene	Potash
Calcium Phosphate	Potassium Phosphate
Cyclodextrin	Potassium Sorbate
D-Lactitol	Potassium Tartrate
EDTA	Red #2 (Amaranth)
Fumaric Acid	Red #3 (Erythrosine)
Glycerol	Sodium Acetate
Hexylresorcinol	Sodium Bisulfate
Invertase	Sodium Lactate
Isomalt	Sodium Lauryl
Lactic Acid	Sulfate (SLS)
Lecithin (Soy)	Sodium Propionate
Lysozyme	Sodium Pyrophosphate
Magnesium Phosphate	Sodium Triphosphate
Malic Acid	Sorbitol
Maltodextrin	Succinic Acid
Mannitol	

20 Antibiotics/Anti-Inflammatory Agents

Acetaminophen (Tylenol)	Naproxen (Aleve)
Amoxicillin	Neomycin
Ampicillin	Nystatin
Aspirin	Penicillamine
Diclofenac (Voltaren)	Penicillin
Diffunisal (Dolobid)	Piroxicam (Feldene)
Gentamicin	Streptomycin
Ibuprofen (Advil/Motrin)	Sulfamethoxazole
Indomethacin (Indocin)	Sulindal (Clinoril)
Ketoprofen	Tetracycline

21/20 Molds

Alternaria	Hormodendrum
Aspergillus	Monilia sitophila
Botrytis	Mucor racemosus
Candida albicans	Penicillium
Cephalosporium	Phoma herbarum
Cladosporium herbarum	Pullularia
Curvularia	Rhizopus stolonifer
Epicoccum nigrum	Rhodotorula rubra
Fusarium oxysporum	Spondylocladium
Geotrichum candidum	Trichoderma
Helminthosporium	

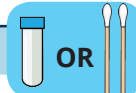
The Celiac, IBS and Crohn's Array (CICA)

CICA: Full Array



- GENETIC: HLA typing for celiac disease: HLA-DQ2.5 and HLA-DQ8; Genetic markers for Crohn's: ATG16L1 and NOD2
- ANTIBODY: Total Serum IgA, tTG (IgA and IgG), DGP (IgA and IgG) & Anti-*Saccharomyces cerevisiae* antibody (ASCA)

CICA: Genetic Only



- HLA typing for celiac disease: HLA-DQ2.5 and HLA-DQ8
- Genetic markers for Crohn's: ATG16L1 and NOD2

CICA: Serologic / Antibody Only



- Total Serum IgA, tTG (IgA and IgG), DGP (IgA and IgG) & Anti-*Saccharomyces cerevisiae* antibody (ASCA)

The CICA includes testing the following SNPs per gene **ATG16L1** - T300A **NOD2** - L1007fsinsC, R702W, G908R

Genomic Insights™

MethylDetox Profiles

Advanced MethylDetox Profile



- MTHFR • MTR • MTRR • COMT • AHCY • Homocysteine

Basic MethylDetox Profile

- MTHFR • MTR • COMT • Homocysteine

MethylDetox Profiles – Genetic Only

Advanced MethylDetox Profile - Genetic Only



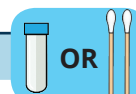
- MTHFR • MTR • MTRR • COMT • AHCY

Basic MethylDetox Profile - Genetic Only

- MTHFR • MTR • COMT

Individual Genes – MethylDetox Profile

Individual Genes



- MTHFR • MTR • MTRR • COMT • AHCY

The MethylDetox Profiles include testing the following SNPs per gene **MTHFR** - C677T and A1298C **COMT** - G472A and G304A **MTR** - C3518T and A2756G
MTRR - A66G **AHCY** - C112T, G367A and g.G32878481C

Homocysteine



Telomere Length Test



Telomere Length Test

Salivary Hormone Testing

Adrenal Stress Profile



- Cortisol x 5 (option for 6th collection)
- DHEA-S

Test Tube Legend

*Tubes must be filled to capacity



*Blue top 3.8% sodium citrate tube



*Gold top serum separator tube



*Gold top serum separator tube that MUST be spun within one hour



Buccal swab



Clear top test tube for saliva collection