



RTL CATALOG

A Guide To RealTime
Laboratories Services
and Tests



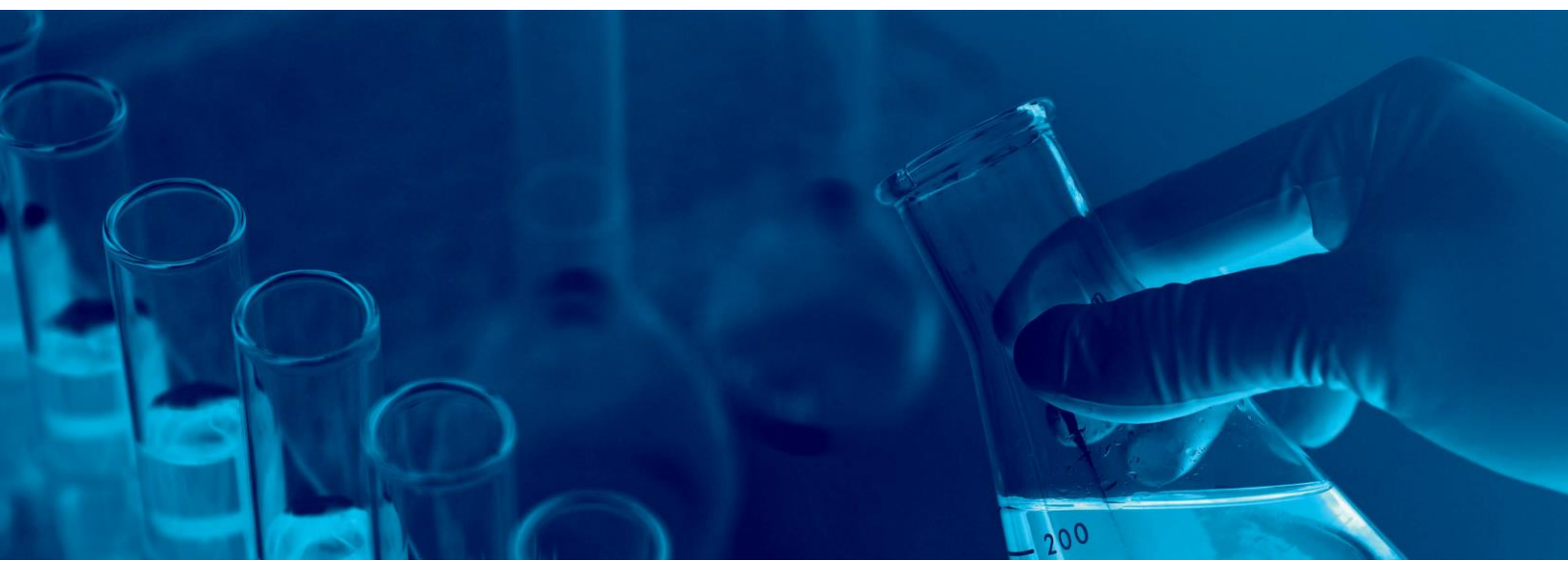
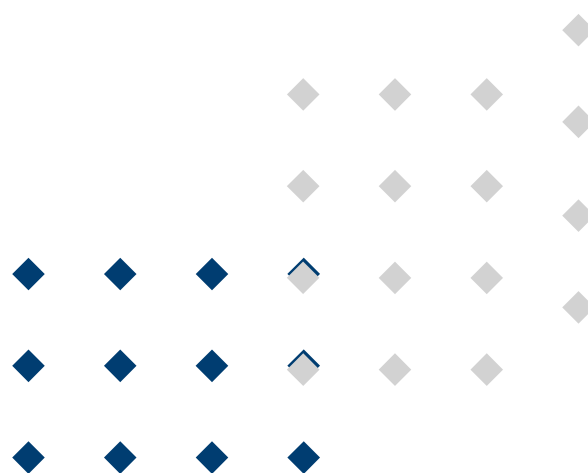
REALTIME
LABORATORIES INC.

CHAMPION FOR THE UNDIAGNOSED

RealTime Laboratories, Inc. was founded in 2005 with the desire to improve the quality of life around the world, one innovative test at a time. Our vision is to be the most credible and passionate leader in cutting-edge laboratory services. We strive to provide the most insightful answers to our patients and customers to help better address the health episodes they face.

This booklet includes information about our tests and our services to help you familiarize yourself with RTL.

We are committed to being the Champion of the Undiagnosed and are always in active research to provide our practitioners and patients with the latest and most needed laboratory tests, so keep checking our website and join our newsletter for updates!



MYCOTOXIN PANEL



Mycotoxins are toxic metabolites produced by fungal organisms, commonly known as molds. Mycotoxins are well documented in high quality peer-reviewed scientific journals to have a wide array of toxic effects in humans. RealTime Laboratories' dedicated team of doctors and scientists have thoroughly researched these compounds and determined the most clinically significant mycotoxins and secondary metabolites for testing.

Some of the symptoms associated with toxic mycotoxin exposure:

Kidney Toxicity

Immune Suppression

Neurotoxicity

Depression

Chronic Fatigue Syndrome

Cancer

Acute Pulmonary Hemorrhage

Aplastic Anemia

Birth Defects

and more...

Markers Included:

Ochratoxin A

Aflatoxin B1

Aflatoxin B2

Aflatoxin G1

Aflatoxin G2

Satratoxin G

Satratoxin H

Isosatratoxin F

Roridin A

Roridin E

Roridin H

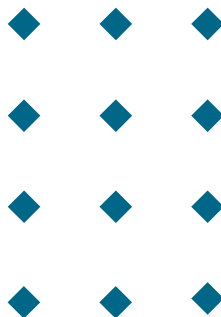
Roridin L2

Verrucarin A

Verrucarin J

Gliotoxin

Zearalenone



Methodology: ELISA

Sample Requirement: 2–3 cc urine:

Turnaround time: 7–10 days





GLYPHOSATE EXPOSURE ANALYSIS

Glyphosate is the main active ingredient for many broad-spectrum herbicides. The increased use of glyphosate in agriculture, recreational areas, and home gardens has increased 100-fold in the last 20 years. Glyphosate exhibits its herbicidal action through inhibition of the shikimate pathway enzyme EPSPS. Class I EPSPS are sensitive to the effects of glyphosate and are found in all plants and bacteria. However, glyphosate-resistant PPS (Class II) appear to be more prevalent in opportunistic pathogens and may contribute to dysbiosis.

HEALTH EFFECTS ATTRIBUTED TO GLYPHOSATE EXPOSURE:

Cancer

Kills beneficial bacteria in the gut

Endocrine disrupter causing problems with hormone pathways

Methodology: ELISA

Sample Requirement: 2–3 cc urine:

Turnaround time: 7–10 days





ORGANIC ACIDS PROFILE

The Organic Acids Profile is a metabolic snapshot to help you and your patients determine the best course of action in treatment. This urine test looks at metabolic issues, detox impairments, possible dysbiosis, and neurotransmitter metabolites.

Our test measures 36 organic acid markers to create a unique patient biochemistry profile that reflects how well the body is obtaining and utilizing nutrients.

One morning urine sample would translate the body's biochemistry by analyzing the reflection of the absorption of the nutrients gained from your diet and showing any imbalances in vitamins, minerals, and other cofactors that can affect the body's biochemical needs.

Markers Included:

Glycolysis

Pyruvate

Lactate

Citric Acid Cycle

Citrate

Cis-Aconitate

Isocitrate

Alpha-Ketoglutarate

Succinate

Fumarate

Malate

Fatty Acid Oxidation

Adipate

Suberate

Ethylmalonate

Methylsuccinate

Ketone Metabolites

Beta-Hydroxybutyrate

Protein Metabolism

Alpha-Ketoisovalerate

Alpha-Ketoisocaproate

Alpha-Keto-Beta-Methylvalerate

Beta-Hydroxyisovalerate

Methylmalonate

Hydroxymethylglutarate

Neurotransmitter Metabolism

Vanilmandelate

Homovanillate

5-Hydroxyindoleacetate

Quinolinate

Kynurenate

Detoxification

Para-Hydroxyphenyllactate

Orotate

Alpha-Hydroxybutyrate

Pyroglutamate

Benzoate

Hippurate

Bacterial Metabolism

Para-Hydroxybenzoate

Para-Hydroxyphenylacetate

2-Hydroxyphenylacetate

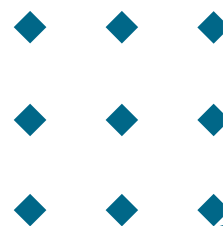
3-Indoleacetate

Tricarballic acid

Methodology: LC-MS/MS

Sample Requirement: dried urine card

Turnaround time: 10-14 days





Every year the number of toxins we are exposed to increases. Understanding your total toxin exposure is an important part of managing your health. Our Environmental Pollutant Profile will assist in that process by measuring the presence of fourteen important markers which will help us understand your specific toxic exposure.

Markers Included:

Xylene Exposure

3-Methylhippurate
2-Methylhippurate

Toluene Exposure

Hippurate
Benzoate

Benzene Exposure

t,t-Muconic Acid

Trimethylbenzene Exposure

3,4-Dimethylhippurate

Styrene Exposure

Mandelate
Phenylglyoxylate
Mandelate + Phenylglyoxylate

Phthalate Exposure

Monoethyl Phthalate
Phthalate
Quinolate

Paraben Exposure

Para-Hydroxybenzoate

Methyl Tert-butyl Ether Exposure

Alpha-Hydroxyisobutyrate

Methodology: LC-MS/MS

Sample Requirement: dried urine card

Turnaround time: 10-14 days



Environmental Tests

Testing is simple, only requiring small amounts of dust or material from AC or heater filters.



At home Environmental Mycotoxin Test identifies 16 common and most toxic mycotoxins, including 9 Macrocytic Trichothecenes produced by the "Black Mold", Stachybotrys.



We designed our test to include 12 molds that produce mycotoxins that affect human health. In conjunction with our environmental mycotoxins test you can see how much mold is in your home and what toxins those molds are releasing.



Methodology: ELISA & PCR

Sample Requirement: Dust (equivalent to the size of a small cotton ball)

Turnaround time: 7-10 days

COMBOS



Environmental Mycotoxin Panel
Fungal Count Dx



Organic Acids Profile
Environmental Pollutant Profile

TOX COMPLETE



Mycotoxin Panel
Organic Acids Profile
Environmental Pollutant Profile

TOX COMPLETE PLUS



Mycotoxin Panel
Glyphosate Exposure Analysis
Organic Acids Profile
Environmental Pollutant Profile



Other Services

RealTime Laboratories is committed to providing all the necessary resources so our clients feel confident in ordering our tests. Our commitment doesn't end after the sale. We strive to create experts in the field so that patients worldwide can benefit from the tests, treatments, and results our endless research has seen.

By being part of the group of practitioners that utilize our tests, you'll benefit from:

Peer-to-peer consultations

Free collection kits sent to your practice

Free monthly webinars

Monthly blog entries

Monthly newsletters

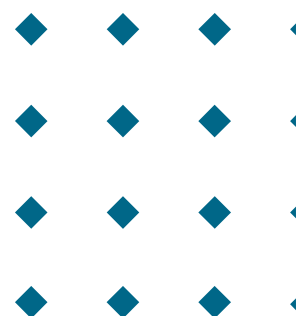
Research awards

Discount codes after some events

Personalized client support (emails and phone calls answered same day)

**For more information and to
create an account, visit our
website**

www.realtimelab.com



Contact Information

Milenia Labs



salvador.cardona@milenialabs.com



+52 492 922-7809



+1 214 673-7637



/ Milenia Labs

Lab: 4100 Fairway Ct. Suite 600 Carrollton, TX 75010

Office: 2540 King Arthur Blvd. Suite 200 Lewisville, TX 75056

www.realtimelab.com



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