



Laboratory Tests and Other Tools

RealTime Laboratories, Inc.: RealTime Laboratories, Inc., (RTL) is a molecular and microbiology laboratory specializing in the detection of mycotoxins in human and environmental samples. At the forefront of the war on exposure to environmental toxins, RTL uses patented DNA testing to help patients and their physicians determine the cause of illnesses related to the harmful toxins produced by molds.

In our experience at KCES, we have found RTL environmental mycotoxin tests to be much more sensitive and reliable than other industry standard tests. We use the following environmental panels from RTL as an integral part of our assessment protocols.

a. Total Mycotoxin Panel

- i. KCES performs strategic dust or material collection to ensure you the lab is getting the best sample from your property and to ensure the least probability of a false negative test result.
 1. Single or composite dust samples
 2. Drywall, wood, fiber or fabric samples
 3. Inner mattress, furniture or carpet pad dust samples

b. E.R.M.I.: Environmental Relative Moldiness Index

- i. KCES will collect for an E.R.M.I. as needed. RealTime Laboratories, Inc. offers a comprehensive report connecting results from RTL Mycotoxin tests and ERMI tests when both tests are performed on the same sample.
 1. Single or composite dust samples
 2. Drywall, wood, fiber or fabric samples

3. Inner mattress, furniture or carpet pad dust samples

Hayes Microbial Consulting: HMC is known as the industry leading in testing for mold and other environmental toxins. When a house is positive for mycotoxins, Mr. Kester will often use a HMC test to determine the exact location of a mold colony. HMC tests, along with modern assessment tools can detect mold particles and spores from inside of walls, or surfaces around suspect or structurally compromised areas.

- c. Mold Spore testing
 - i. Tape samples
 - ii. Inner wall air sampling
 - iii. Swab tests

Moisture Meter. This special device gives a moisture level reading for inner walls and floors. Mr. Kester has been training extensively on this device to assess high-risk areas in your building.

Infrared Camera. Mr. Kester has been trained on the many benefits of an infrared camera. With this device, Jason is able to detect temperature variances that should or should not be present. Infrared photos are included in your report with a detailed explanation of findings. This is crucial, innovative technology in the mold assessment industry. These reports can also assist you with heating and cooling as well as other potential structural improvements to your building.

Borescope Camera: Mr. Kester uses a borescope camera to view inside walls, inside HVAC systems and other areas that would otherwise not be visible. As a crucial part of a thorough assessment, this gives him access to potential high-risk areas that would otherwise be missed.

IQ Air purification equipment rental and sales Most air filters can filter down to a small enough size to capture mold particles and mold spores. However, most systems do not filter down to a small enough size to capture mold born mycotoxins (the toxic chemical produced by mold). Mr. Kester has searched the globe for air purification systems that perform well enough to be included in the Kester Clear protocol. IQ Air is the only company that has consistently removed mycotoxins from buildings as evidenced by RealTime Laboratories, Inc. Total Mycoxin Panel before and after results. KCES offers IQ Air units for rent and for sale. All KCES customers receive a 10% discount on the purchase of all IQ Air freestanding units and 5% discount on all IQ Air whole house HVAC systems.