



# PathoSEEK™

## The Microbial Safety Testing Solution

**Medicinal Genomics' PathoSEEK™ Microbial Safety Testing Solution** is the only method designed specifically for detecting microbial contamination on cannabis flower, extracts, and a variety of infused products. The PathoSEEK platform uses qPCR technology, which is an established safety testing method in the food industry and in medicine. The PathoSEEK method has also been validated in multiple ISO17025 accredited laboratories



### Fewer False Positives

PathoSEEK qPCR assays detect the DNA sequence associated with the target organisms to prevent costly false positives. Conversely, research has shown culture-based methods often grow off-target organisms, which leads to false positives and more pesticide usage.



### Fast

Same-day results for threshold tests and next-day results for presence-absence tests means your lab can handle more volume and your customers will spend less time waiting for results.



### Scalable & Flexible

The qPCR-based platform was designed for a seamless transition to automation, and scripts for Hamilton robotics are available for immediate turnkey installation. High-volume labs can run up to 768 samples per day.



# PathoSEEK™

## The Only Microbial Safety Solution Validated on Cannabis

**The PathoSEEK™ Microbial Safety Testing Solution** is the only method designed specifically for detecting microbial targets on cannabis matrices (flower, extracts, and infused products). It is also the only qPCR platform that includes internal cannabis controls, making it the most accurate microbial testing method on the market today.

### Fully Validated on Cannabis

Medicinal Genomics has validated its PathoSEEK tests on cannabis matrices (flower, edibles, and extracts) and made data available for public review on our website. It has also been independently validated in several ISO17025 accredited laboratories.

### Internal Controls Included

Every PathoSEEK test reaction includes an internal cannabis control, which gives assurance to the operator that the reaction was successful and results can be trusted.

### Coverage for State Requirements

Medicinal Genomics offers a variety of testing kits that cover each of the microbial targets that are required by the various state regulatory agencies. Medicinal Genomics also offers multiplex kits, which allow labs to test for multiple targets in one reaction, saving time, labor, and costs.

#### Individual Assays

- Aspergillus flavus
- Aspergillus fumigatus
- Aspergillus niger
- Aspergillus terreus
- E.coli
- Salmonella
- STEC
- Total Aerobic Count
- Total Coliform
- Total Enterobacteriaceae
- Total Yeast & Mold

#### Multiplex Assays

- Aspergillus (A. flavus, A. fumigatus, A. niger, A. terreus)
- Salmonella and E. coli
- Salmonella and STEC E. coli
- Total Enterobacteriaceae and Coliform

