

BIOMÉRIEUX

# CANNABIS AND HEMP MICROBIOLOGY SOLUTIONS



Microbiology. Simple. Reliable.

PIONEERING DIAGNOSTICS





# Microbiology expertise yields higher standards

In a fast-growing industry where regulatory compliance is evolving, cannabis and hemp labs, producers and manufacturers need a trusted microbiology leader to protect their product quality and safety. Many commonly used testing technologies lack consistency, require significant hands-on time, robust science and are prone to human error. All of which can lead to a diminished reputation, lost product and lost profits.

## A 50-YEAR HISTORY OF PROTECTING PUBLIC HEALTH

A worldwide leader in microbiological diagnostics for over 50 years, bioMérieux solutions are trusted by top food, beer, wine, and pharmaceutical industries around the globe. With industry-leading technology and microbiology expertise, bioMérieux helps cannabis and hemp industries enhance quality, product safety, and human health.



### PRODUCTIVITY

Elimination of DNA extraction and sample purification reduces laboratory errors and technician hands-on-time.



### PROFITABILITY

Improvements in accuracy and workflow reduces costly re-testing and increases confidence in results.



### QUALITY

bioMérieux products are developed and manufactured to provide a high degree of regulatory compliance, robust science, and overall product quality.

# Industry-leading science for safer cannabis and hemp products

## PATHOGEN DETECTION TESTING WITH GENE-UP®

Fully validated to support the unique testing needs of the cannabis and hemp industries, GENE-UP delivers results in less than 24 hours, with minimal hands-on time.

- Bacterial contaminant detection made simple, fast, and flexible
- Intuitive interface with easy-to-use workflow
- GENE-UP® Aspergillus PRO assay is the most advanced on the market, with upfront speciation of *A. terreus*, *A. fumigatus*, *A. flavus*, and *A. niger*
- More accurate, more affordable testing improves margins and reduces repeat testing
- STEC/*Salmonella* harmonized protocol
- Simultaneous detection of STEC/*Salmonella* with GENE-UP® PRO STEC / *Salmonella*
- Reduces sample prep and false positives and false negatives



## PATHOGENS DETECTED

- *Aspergillus*
- *Salmonella*
- STEC
- *Listeria*

## QUALITY INDICATOR TESTING WITH TEMPO®

Trusted around the globe, TEMPO automates quality indicator testing, with objective, easily interpreted results with consistency between different matrices, staff, and batches of product.

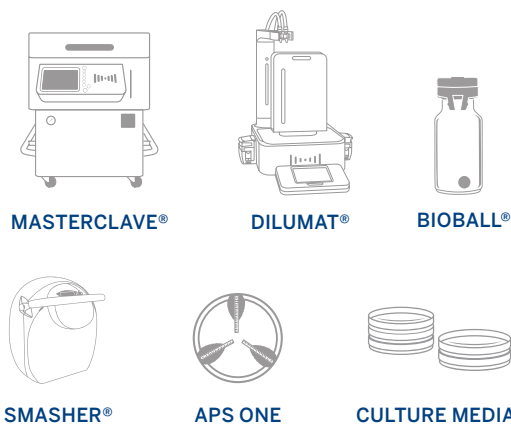
- Strong validation data for cannabis and hemp products
- Eliminates cumbersome, time-consuming sample preparation allowing lab staff to work on other value-added services
- Automated results and simple workflow improve accuracy, repeatability, and data integrity
- Provides traceability and an audit trail
- Enumerates quality indicator organisms, including total viable counts, coliform counts, *E. coli*, *Enterobacteriaceae*, *Staphylococcus aureus*, yeasts and molds



## MEDIA & SAMPLE PREPARATION

Optimize your workflow—and get more out of your laboratory with advanced media and sample prep solutions.

- Ready-to-use media and diluents
- Automated sample preparation
- Reduce hands-on time and increase lab efficiency



## A COMPREHENSIVE OFFERING OF CANNABIS-VALIDATED TEST KITS

### Pathogen Detection Testing

- *Salmonella*
- STEC (*Shiga* toxin-producing *E. coli*)
- *Aspergillus*, with upfront speciation of *A. terreus*, *A. fumigatus*, *A. flavus*, and *A. niger*
- *Listeria*

### Quality Indicator Testing

- Yeast and Mold
- Coliforms
- Total Viable Counts
- *E. coli*
- *Enterobacteriaceae*
- *Staphylococcus aureus*

