



Reference Materials for Cannabis Microbiology and Chemistry



Innovative Controls to Support Data Quality

Matrix Reference Materials

All of our reference materials for cannabis microbiology and chemistry are formulated in real world matrices (HempTea) for real world challenges. Analytes include: indicator organisms, pathogens, heavy metals and pesticide residues.

Cannabis Microbiology:

Single Parameter CRMs

Analyte	(5 vials) Catalog#/Price
APC in Cannabis	FM-726/\$115.00
Coliform/E.coli in Cannabis	FM-727/\$115.00
Yeast in Cannabis	FM-728/\$115.00
Mold in Cannabis	FM-729/\$115.00
Enterobacteriaceae	FM-730/\$115.00

Each sample designed to yield countable activity levels with a 1mL inoculation after hydration. Manufactured using a patent pending process.

Cannabis Microbiology – Quantitative CRM Panel

A 10 vial set containing the following:

- 2 vials for APC
- 2 vials for Total Coliform/E.coli
- 2 vials for Enterobacteriaceae
- 2 vials for Total Yeast
- 2 vials for Total Mold

Each sample designed to yield countable activity levels with a 1mL inoculation after hydration. Manufactured using a patent pending process.

Part#: FM-725 10 vials \$225.00

Qualitative Microbiological Reference Materials:

STEC Positive Control

10 x 1 gram vials of hemp fortified with a single STEC strain (O26, O111, O121, O45, O103 and O145). Manufactured using a patent pending process.

Part#: FM-731 \$100.00

Salmonella Positive Control

10 x 1 gram vials of hemp fortified with Salmonella spp for use as a positive control. Manufactured using a patent pending process.

Part#: FM-732 \$100.00

Pathogens in Brownie

10 x 1 gram vials of homogenized brownie fortified with E.coli O157:H7 and Salmonella spp for use as a positive pathogen control.

Part#: FM-738 \$100.00

Pathogens in Chocolate

10 x 1 gram vials of homogenized chocolate bar fortified with E.coli O157:H7 and Salmonella spp for use as a positive pathogen control.

Part#: FM-737 \$100.00

Quantitative Reference Materials, Pesticides and Heavy Metals:

Pesticides in Cannabis Reference Material

A 1 gram sample of hemp matrix containing a subset of the following 12 pesticides in the range of 100–1000 ug/kg.

Abamectin	Azoxystrobin	Bifenazate
Bifenazate	Etoxazole	Imazalil
Imidacloprid	Malathion	Permethrin (mixed isomers)
Spinosad	Spiromesifen	Spirotetramat

Tebuconazole

FM-741 5 x 1 gram \$180.00

Heavy Metals in Cannabis Reference Material

A hemp matrix certified for As, Cd, Cr and Hg by ICP and ICPMS. Packaged in amber HDPE vial and designed for 0.25 gram to 0.5 gram digestion (5g/vial).

Part#: FM-740 \$200.00