

Cannabis Microbial Testing with the AriaMx qPCR Instrument

Application Note Abstract

Current state regulations require microbial screening prior to sales of Cannabis products. Much like in food testing, the industry relied upon classical microbial plating to understand if these products are contaminated. This Application note describes why the use of quantitative Polymerase Chain Reaction (qPCR) based microbial assays is the better choice. qPCR is a routine testing method that benefits from improved specificity and sensitivity, increased throughput and speed to data. This is a more robust and reliable test, compared to the outdated plating method which might mis-identify or underestimate the presence of dangerous microbes.

Instrument configuration

G8830A: AriaMx qPCR system

G8830A-101: FAM/SYBR Optical cartridge

G8830A-101: ROX Optical cartridge

G8830A-101: HEX Optical cartridge

Medicinal Genomics PathoSeek™ assay

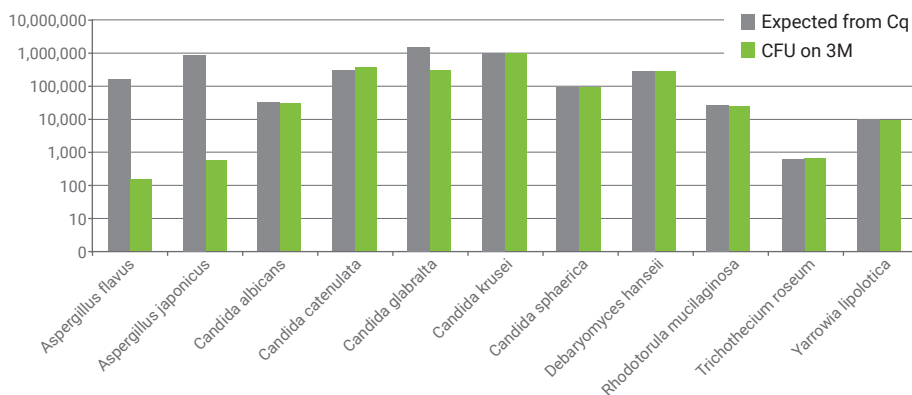


Detailed application note



Optimized Cannabis Microbial Testing: Combined Use of Medicinal Genomics Extraction Methods With the AriaMx qPCR Instrument

Comparative growth of aspergillus species and other fungi on 3M Petrifilm



For more information visit <http://www.agilent.com/chem/cannabis-testing-emethods>

Agilent products and solutions are intended to be used for cannabis quality control and safety testing in laboratories where such use is permitted under state/country law.

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