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Simplifying Cannabis Pesticide, Mycotoxin and Potency Testing Workflows with Laboratory Automation to Meet ISO/GMP Standards

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Abstract: With compliance cannabis & hemp labs increasingly required to test over 1000 samples a month, managing sample and data workflows can be challenging and time-consuming. With dedicated fully automated cannabis & hemp testing workflow, designed specifically for pesticide, mycotoxin, and potency residue testing, automation handling solutions enable a cannabis lab to minimize errors, improve data quality, reduce hands-on time, and increase throughput and reproducibility. This presentation will present new data and material to show the time savings, the benefit of adding hardware automation to reduce labor requirements and adding cloud-based software solutions to integrate data across the ISO or GMP lab environment. References will show that having a verifiable method, and protocol, for the cannabis and hemp testing industry is key in ensuring the highest quality of cannabis and hemp product reaches the patient or consumer. In addition, the influence of the cannabis sample type tested will be discussed as the sample type matrix (flower, extracts, and edibles) has considerable effects on the data integrity.