High Sensitivity and Specificity

Flower, Plant & Concentrate Matrices

The analysis of pesticide residues in cannabis matrices

Fully Verified Method

SCIEX

Answers for Science.
Knowledge for Life.™

Flower Power: a complete LC-MS/MS pesticide and potency testing solution

The analysis of pesticides and cannabinoids in cannabis matrices is extraordinarily difficult and complex. This presents difficult analytical challenges that can take months to develop adequate methods. SCIEX has done this work for you and developed one analytical method which is suitable for measuring all the compounds on the Oregon List at the required maximum residues limits using LC-MS/MS. In addition, the method is also able to measure potency in your cannabis samples.

These vMethods will produce high quality repeatable data in both cannabis flower, leaf and concentrate samples. The accompanying standard operating procedure (SOP) details the entire process from sample preparation steps required for attaining the most efficient sample extractions to standard preparation and analysis. This SOP was prepared to meet the exacting requirements of an ISO 17025 audit.

Accelerated uptime

This is a simple plug and play analytical method, which will have you up and running billable samples within days. A highly robust solution that will enable you to deliver high quality results injection after injection, day after day.

Complete confidence

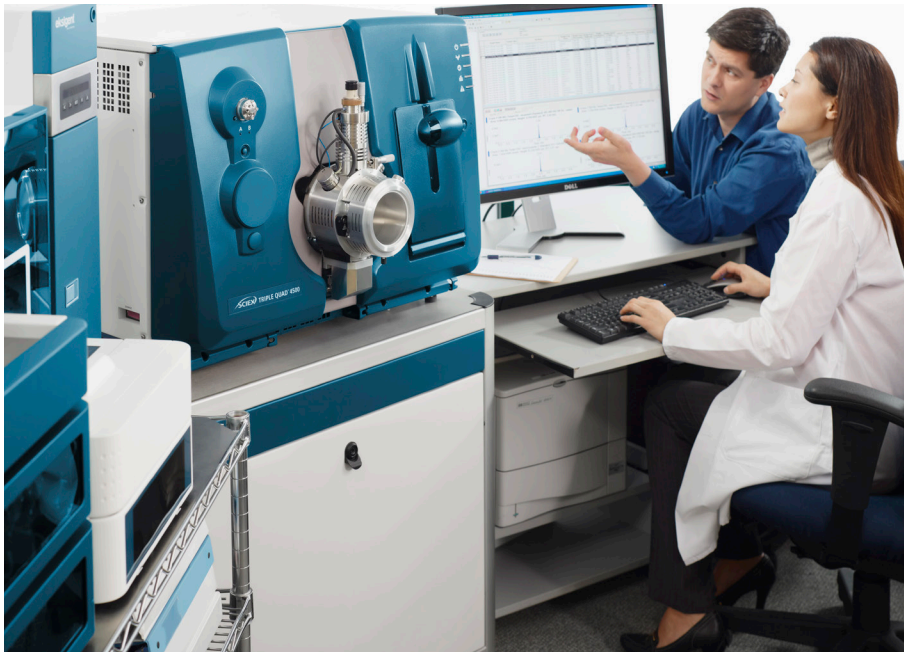
The analytical performance of these vMethods has been thoroughly verified and tested by external cannabis testing laboratories. As a result the accuracy, reproducibility and performance of your acquisitions will be consistent from sample to sample.

Trusted partner

Our application support team developed this vMethod. We provide the highest level of training to get your staff competent for the entire assay, from sample prep to analysis in days through the SCIEX Success Program. As a trusted partner, SCIEX has the skills and expertise to prepare you for future growth and expansion.

Assay Performance

	Value
# of pesticides	59
# of unique MRMs per pesticide	Up to 3
# of cannabinoids	10
# of unique MRMs per cannabinoid	2
Amount of sample required	0.2g for flower and plant 0.02g for concentrate
Sample matrix	Flower, Plant and Concentrates
Instruments	QTRAP® 4500 or 6500+
LC-MS/MS run time	Pesticides 16 mins Cannabinoids 5 mins



Assay Components

Sample Prep

The sample preparation protocol has been verified and tested for pesticides and potency for plant extracts.

HPLC

Mass Spec

All the legwork has been done. Get the detailed, verified LC separation conditions and the MRM transitions for all relevant pesticides and cannabinoids and upload the method in a few short steps.

Software

Included is the software you need to quickly process large batches of samples to quantify and report your results

Service / Support

A helping hand to get you started. A dedicated SCIEX Support team member will be available to answer questions, or submit your questions on the fly in our online community.

Your Success is Our Success

We take it personally

As a SCIEX customer you have access to a world-class customer support organization. Wherever you are, we're there with you as a trusted partner to answer questions, provide solutions, and maximize lab productivity.

Our customer support organization has access to the latest product updates, software revisions, methods and repair procedures to make sure that you stay on top of your game.

When you have questions, we have answers.
sciex.com/vMethod-cannabis

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RUO-MKT-07-6029-A 06/2017

Headquarters
500 Old Connecticut Path
Framingham, MA 01701 USA
Phone 508-383-7700
sciex.com

International Sales
For our office locations please call the division headquarters or refer to our website at
sciex.com/offices

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