

Solution for Cannabis In Whole Blood Analysis

High
Selectivity and
Reproducibility

Fully
Optimized and
Ready to Go

Sensitivity
to Meet
Requirements



Answers for Science.
Knowledge for Life.™

Solution for Cannabis in Whole Blood Analysis

As more states legalize the use of cannabis in North America, law enforcement agencies must be certain that individuals are not impaired by it while driving. Crime labs need a reliable test that will quickly deliver the right results every time. SCIEX offers a complete, robust solution which is highly sensitive for the analysis of cannabis in whole blood samples.

- **Simple sample preparation**

The sample preparation protocol is straightforward with optional automation compatibility. The received sample is subjected to a protein precipitation – solid phase extraction (SPE) to achieve the true concentration without hemoglobin, albumin and salt interferences. Your samples are prepared with maximum efficiency while the integrity of the sample remains uncompromised.

- **All the compounds and standards you need**

The solution delivers quantitation for Δ^9 -tetrahydrocannabinol (THC) and its two major metabolites 11-Hydroxy- Δ^9 -tetrahydrocannabinol (THC-OH) and 11-nor-9-carboxy- Δ^9 -tetrahydrocannabinol (THC-COOH). The method also provides qualitative detection of Cannabinol (CBN), and Cannabidiol (CBD). The UTAK, SCIEX THC LC-MS Reagent Kit has all the calibration and quality control standards you need.

- **Results in less than 5 minutes**

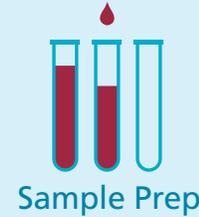
With a runtime that delivers chromatographic separation of interferences in just 4.25 mins per sample, you will be ready to process and report your results without creating a backlog. The high throughput method means that you can run large batches of samples in relatively very little time.

Assay Performance

	Value
Compounds for quantitation	Δ 9-tetrahydrocannabinol (THC)
	11-Hydroxy- Δ 9-tetrahydrocannabinol (THC-OH)
	11-nor-9-carboxy- Δ 9-tetrahydrocannabinol (THC-COOH)
Transitions for qualitative detection	Cannabinol (CBN)
	Cannabidiol (CBD)
# of unique MRM transitions per compound	2
Calibration range with QTRAP® 4500	1-500 ng/mL for THC-OH and THC 1-200 ng/mL for THC-COOH
Injection volume	10 μ L for QTRAP® 4500
	30 μ L for Triple Quad™ 3500
Sample prep	Protein precipitation
	Solid phase extraction (SPE)
Sample matrix	Human whole blood
Instruments	SCIEX 3500 and 4500 Series
LC-MS/MS run time	From 4.25 mins per sample



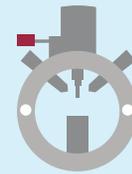
Assay Components



- The innovative proprietary sample preparation protocol is verified and tested for the quantitation of THC, THC-OH and THC-COOH.



- All the legwork is done. Get the detailed, verified LC separation conditions and the optimized MRM transitions for all compounds and upload the method in a few short steps.



- This method includes the SCIEX Triple Quad 3500 or the QTRAP 4500, highly robust mass spectrometers that enable powerful, unique workflows that deliver a new level of confidence in your data.



- The software you need is included to quickly process large batches of samples to screen and quant all your whole blood samples for Per Se law analysis.



- 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.

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Knowledge for Life.™

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