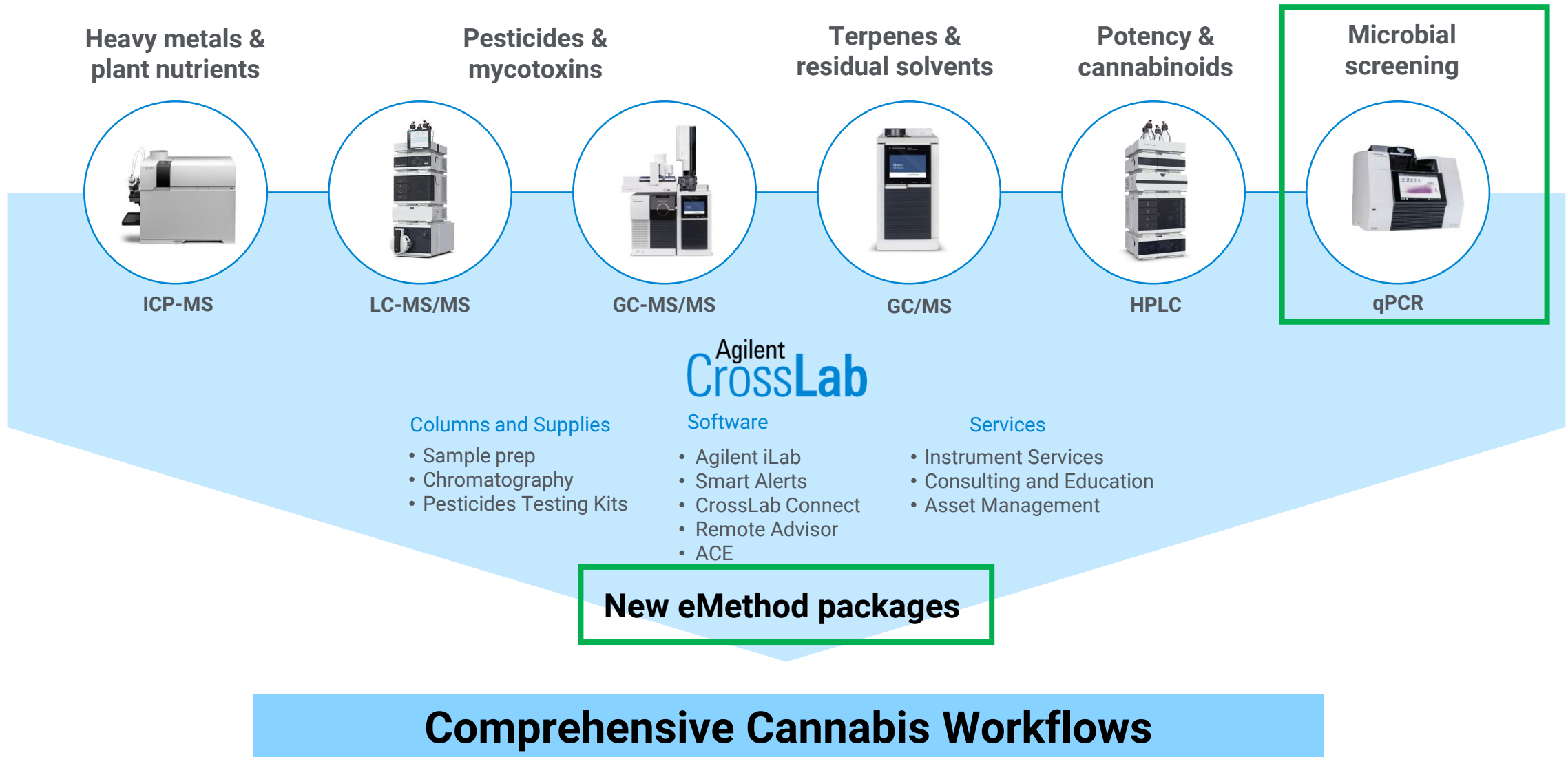# Latest from Agilent to Simplify Cannabis Testing

Ready-to-run eMethods & Automated Microbial Testing

Greg Kozadjian, MBA, B.Sc. Biochemistry
Emerging Markets Business Development
Cannabis Testing
Agilent Technologies

Agilent
Trusted Answers

Agilent Cannabis Workflows - Serving the Entire Laboratory

Heavy metals & plant nutrients

ICP-MS

Pesticides & mycotoxins

LC-MS/MS

GC-MS/MS

Terpenes & residual solvents

GC/MS

Potency & cannabinoids

HPLC

Microbial screening

qPCR

Agilent CrossLab

Columns and Supplies
- Sample prep
- Chromatography
- Pesticides Testing Kits

Software
- Agilent iLab
- Smart Alerts
- CrossLab Connect
- Remote Advisor
- ACE

Services
- Instrument Services
- Consulting and Education
- Asset Management

New eMethod packages

Comprehensive Cannabis Workflows

Agilent

Key Announcements

Automating Microbial Testing

Agilent Bravo NGS A Liquid Handler

Agilent AriaMx qPCR Instrument

MEDICINAL GENOMICS

Automate DNA extraction and qPCR set-up
- Consistent data quality and increased accuracy
- Reduce hands-on time and human error
- Scalable solution

New Agilent Cannabis Testing Website!

Cannabis & Hemp Testing

Gain a Competitive Advantage with Innovative, Reliable Solutions

Whether you manufacture or test cannabis, you face the challenge of delivering high-quality products, increasing sample volume, and meeting emerging regulations. Agilent offers best-in-class cannabis and hemp analysis solutions featuring robust instruments, software, services, and consumables. Our team of experts can develop, implement, and optimize methods to get you up and running quickly.

Contact Us

Cannabis and Hemp Testing Applications

Potency Testing
Regions that have legalized the use of medicinal or recreational marijuana typically require cannabinoid quantitation for total tetrahydrocannabinol (THC) and cannabidiol (CBD).

Learn more

Pesticide and Mycotoxin Testing
Potentially harmful pesticides and mycotoxins may be present in cannabis crops and extracts, so analytical monitoring of levels is crucial.

Learn more

Terpenes Testing
Terpenes contribute to the flavor and fragrance of cannabis. They have also been used to accurately identify and characterize cannabis cultivars.

Learn more

https://www.agilent.com/en/solutions/cannabis-hemp-testing

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Introducing Agilent eMethods for Cannabis Testing Assays!

It is an electronically delivered set of information, which includes:

✓ Information about the right instrument and configuration

✓ Optimized analytical methods for sample introduction, chromatographic separation, detection, and data analysis
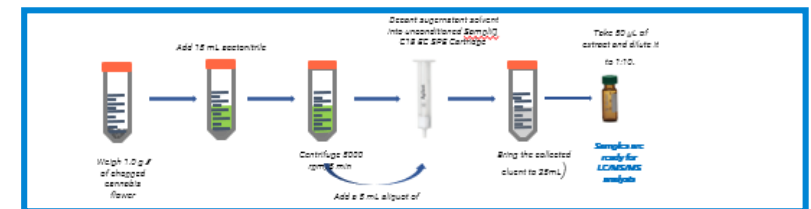
✓ List of expertly selected sample preparation protocols and consumables

✓ Best practices for sound implementation

✓ Application Note, optional other documents/references (EPA, SANCO, etc.)

6470 eMethod Pest Res&Mycotoxins 01.m	1/29/2020 10:37 PM	File folder
Qual	1/28/2020 1:24 PM	File folder
Quant	1/28/2020 1:24 PM	File folder

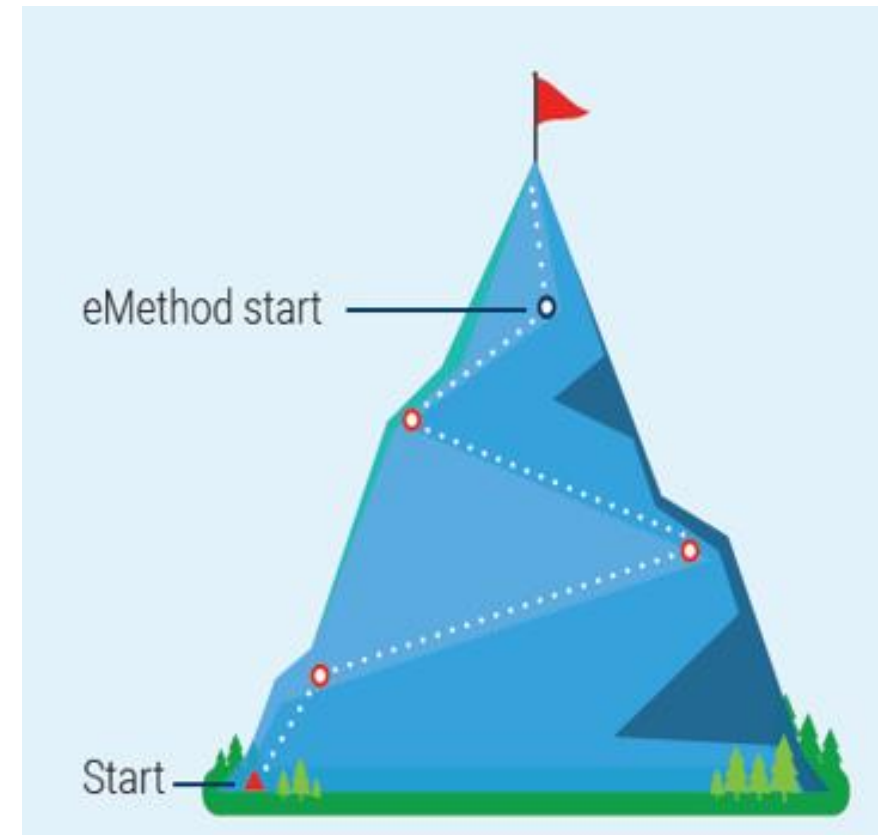| Sample Preparation	Part Number
500 mg SampliQ Solid Phase Extraction	5982-1365
Ceramic Homogenizers, 50 mL tubes	5982-9313
Corning Tubes, 50 mL centrifuge tubes	5610-2049

Agilent

How Will These Benefit the Laboratory?

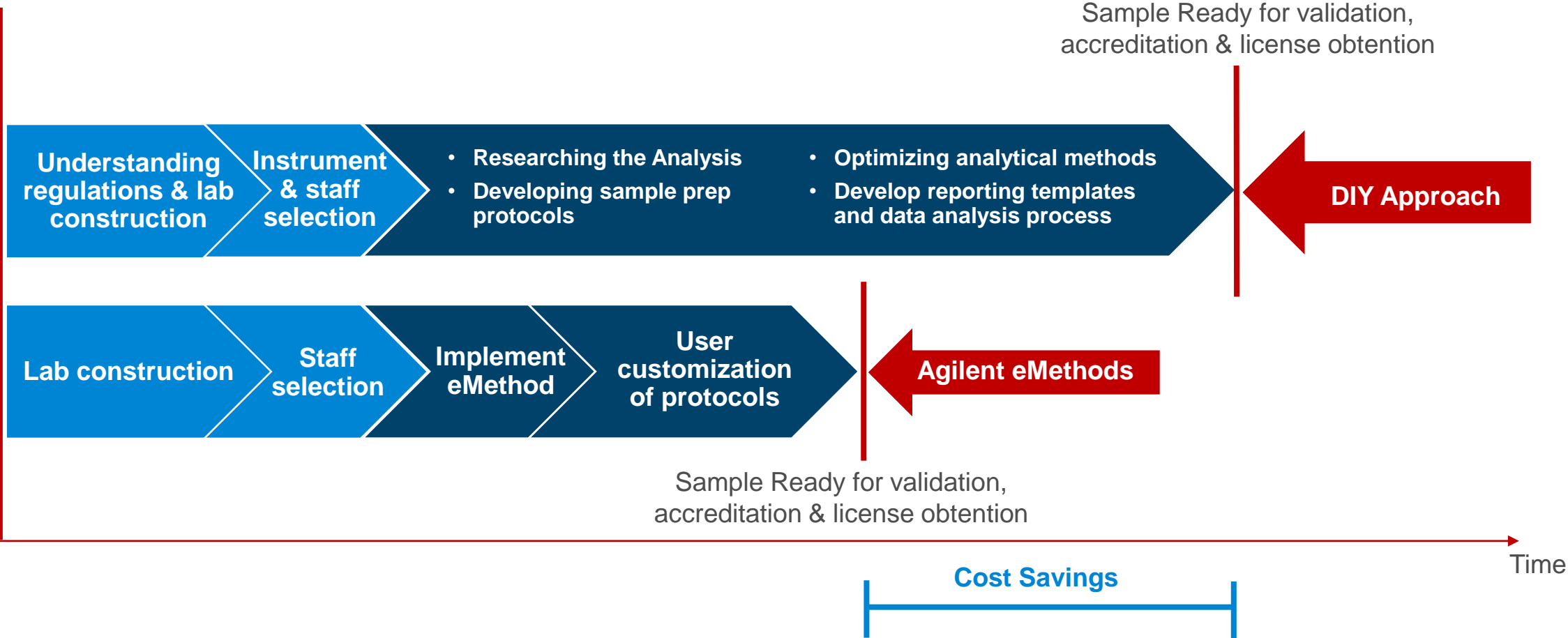## Steps to take before analyzing cannabis:

1. Researching the analysis
2. Understanding the requirements
3. Choosing the right instruments and consumables
4. Verifying sample preparations
5. Optimizing the analytical methods
6. Streamlining data analysis and reporting

We have done the hard work for you

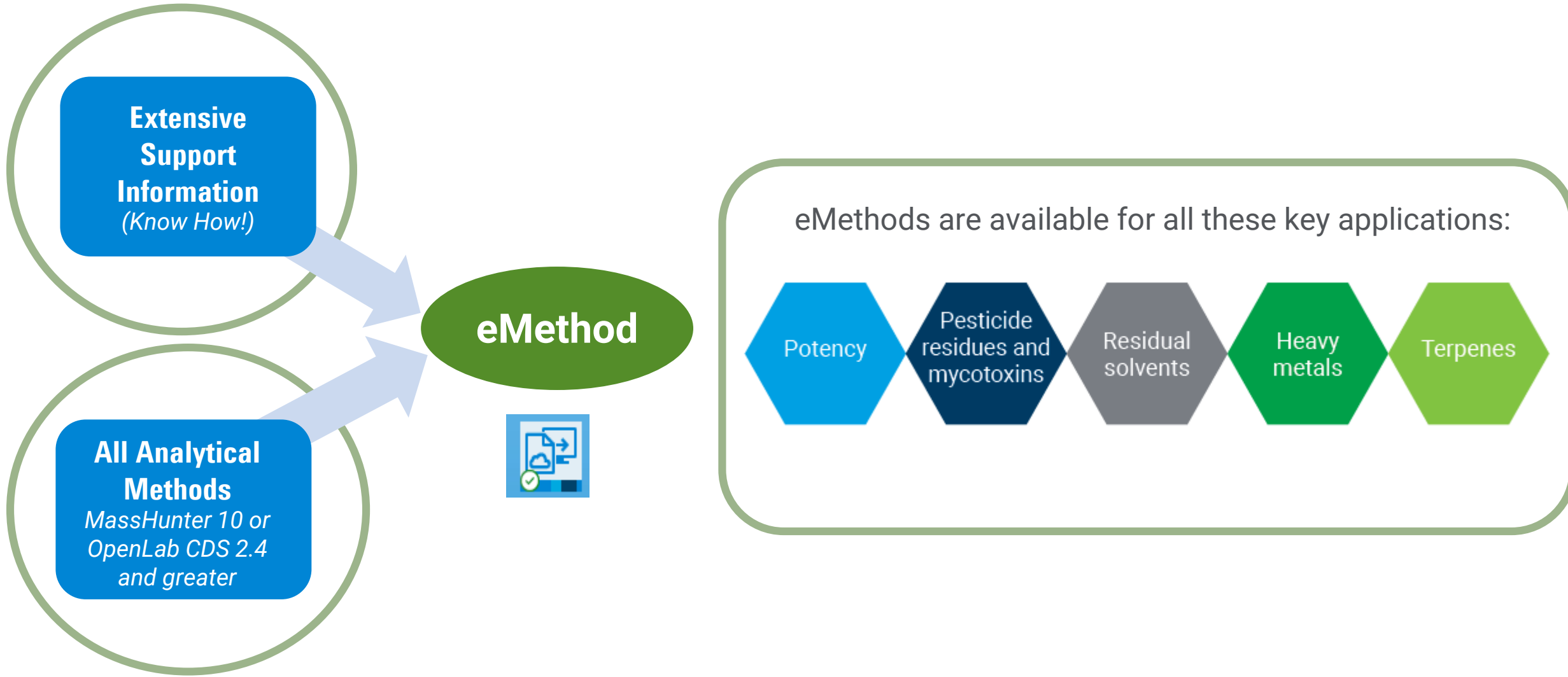Compared to starting from the ground up, in an eMethod, we have already done most of the initial work for you.

Agilent eMethods − Shorten Start-up time and Maximize Profitability

Sample Ready for validation, accreditation & license obtention

| Understanding regulations & lab construction | Instrument & staff selection | • Researching the Analysis
• Developing sample prep protocols | • Optimizing analytical methods
• Develop reporting templates and data analysis process |

DIY Approach

| Lab construction | Staff selection | Implement eMethod | User customization of protocols |

Agilent eMethods

Sample Ready for validation, accreditation & license obtention

Time

Cost Savings

How many days and how much revenue is this?

Agilent

eMethod Content and Application Areas for Cannabis

Extensive Support Information
(Know How!)

All Analytical Methods
MassHunter 10 or OpenLab CDS 2.4 and greater

eMethod

eMethods are available for all these key applications:

Potency | Pesticide residues and mycotoxins | Residual solvents | Heavy metals | Terpenes

Agilent

Want to Learn More?

1- Attend our eMethods 1-hour webinar on **June 17th** below (link to Agilent)

[Ready-to-run eMethods Make Complex Cannabis Testing Simple](#)

or

2- Contact us at cannabis.inquiries@agilent.com to speak to us directly

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Thank you

Cannabis Industry Journal – June Virtual Event

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Trusted Answers