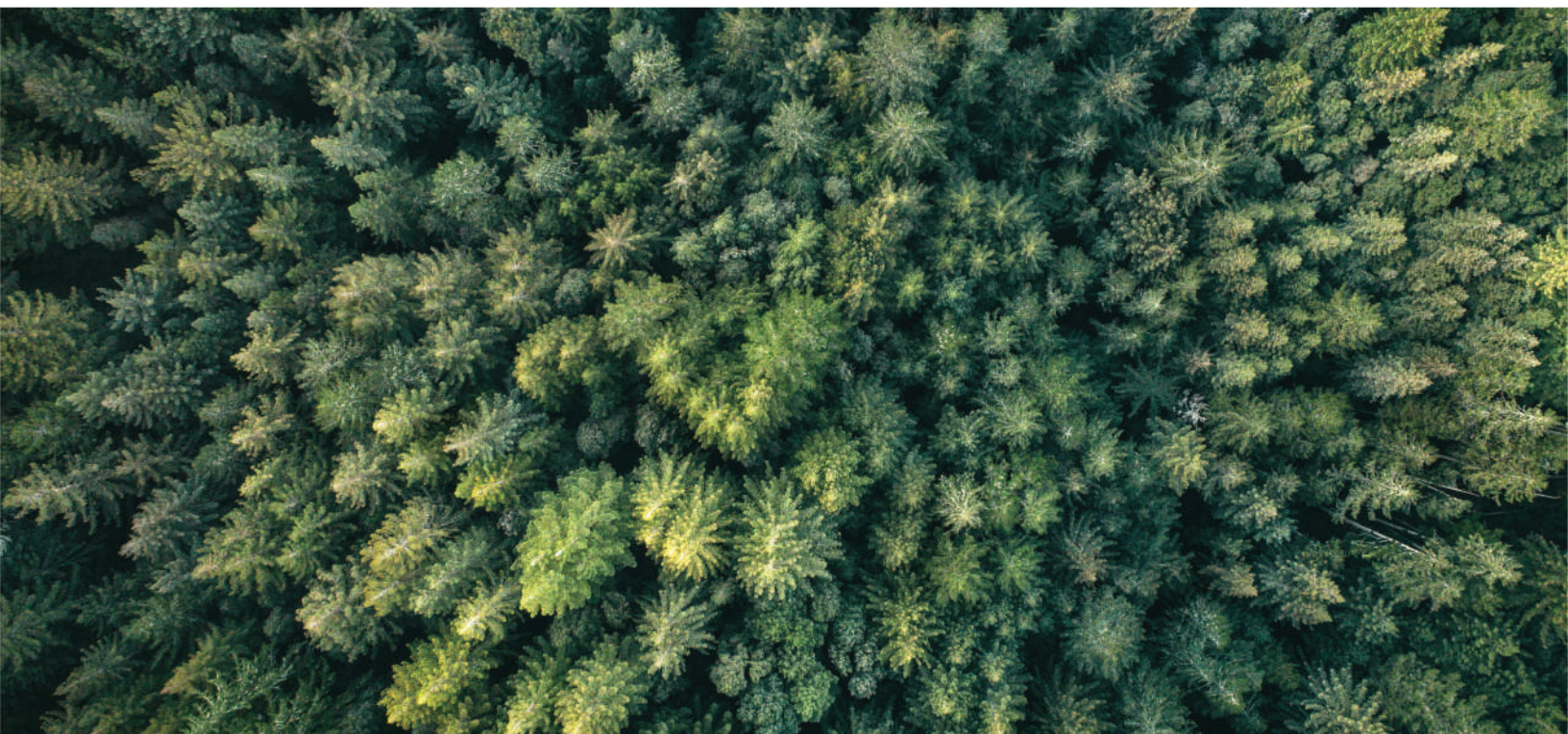


1,250  
molecules  
included



Providing high quality metabolite library

# Prepared to find everything? standards for mass spectrometry



**Untargeted metabolomics** profiling has become an essential part of biomarker discovery and metabolic disease studies in the past few years. Increasing the dynamic range of the molecules that can be detected and quantified is crucial. MetaSci COMPLETE human metabolite library provides the largest number of standards in a kit, with more than 1,250 metabolites that can be found in human biofluid and tissues, plant and bacteria.

**Why digital libraries (NIST, METLIN, etc.) are not enough?**

Every instrument yields an analysis result specific to its brand, build, methods and other parameters. Digital libraries only contain spectra resulted from the instrument of its producer and lose quality as it is used for other machines. To produce the most accurate result for each instrument a lab should run physical standards on every instrument and on each when the methods or conditions (column, solvent, pH, etc) changes.

5-10 mg of standard in  
autosampler vials

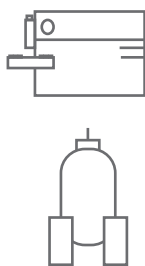


**CONTACT US**  
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110 West Beaver Creek  
Rd, Unit 7  
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L4B 1J9, CANADA

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### MULTIPLATFORM PRODUCTS

Our metabolite collections can be used for building in-house libraries of spectra, for method development and untargeted profiling experiments. The metabolites can be used for mass spectrometry methods or NMR based experiments. Since there is no solvent added to the product in preparation stage, there is no risk of appearance of residual solvent



### ACQUIRE ALL OR SOME, JUST IN 3-5 DAYS

The quantity of each vial is enough for preparation of multiple solutions in desired concentration, for method development and for other applications such as derivatization. The researcher can make high concentration solution to offset dilution effect upon pooling solutions. MetaSci Library is one of the few collections in the world



Comprehensive



High quality



Customizable

### SOME OF THE AVAILABLE COLLECTIONS (NOV 2021)

COMPLETE Human Metabolite Library (1,250)  
 Plant metabolite library (1,056)  
 Organic acids library COMPLETE (416)  
 Organic acids in urine (105)  
 Food components library (1,112)  
 Food additives library (+360)  
 Bacterial metabolite library (260)  
 Fecal metabolite library (574)  
 Focused metabolite kits:

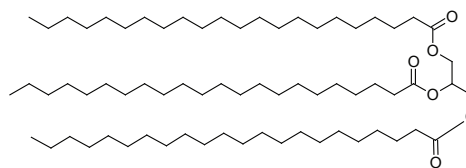
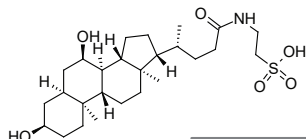
- Lipids and carboxylic acids
- Carbohydrates
- Amino acids and peptides
- Polyphenols
- Flavonoids
- Vitamins and Co-factors

### Works with

HPLC/UHPLC		GC
Single Quad	QQQ	QTOF/Orbitrap

## 1,250 Metabolites

Taurochenodeoxycholic acid  
 a bile acid



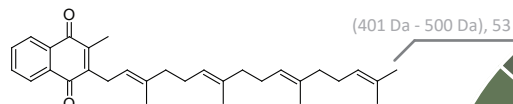
Glycerol Tridocosanoate  
 a triglyceride

(501 Da - 600 Da), 27

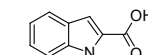
(>601 Da), 40

(<100 Da), 53

Sarcosine  
 a marker of folate deficiency

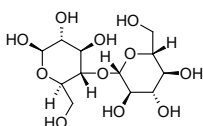


(401 Da - 500 Da), 53

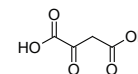


Indole-2-carboxylic acid  
 an inhibitor of lipid peroxidation

Menaquinone  
 a fat soluble vitamin

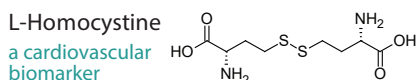


(301 Da - 400 Da), 129



Oxalacetic acid  
 an intermediate in TCA

D-(+)-Cellobiose  
 a biomarker in Crohn's disease



(201 Da - 300 Da), 180

(101 Da - 200 Da), 415

7-Methylxanthine  
 found in urinary calculi