

+360
molecules
included



Providing high quality metabolite library

Food Additives Analysis Standards

standards for mass spectrometry



Accurate analysis of food quality and ingredients hinges on availability of high quality standards that can cover an extensive range of a food components and additives. MetaSci Food Additives standard library consists of more than 360 compounds that are used in food industry, either to improve food quality or for adulteration. Our standards are compatible with various analysis platforms such as GCMS, LCMS, NMR and UV-VIS. Our libraries cover a large range of food additives such as sweeteners, vitamins, preservatives, flavors, fatty acids, acidifiers, dyes, plasticizers and anti-oxidants.

CONTACT US

info@metasci.ca
www.metasci.ca
Tel. +1-289-597-1611
110 West Beaver Creek
Rd, Unit 7
Richmond Hill, ON
L4B 1J9, CANADA

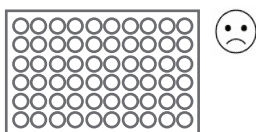
www.metasci.ca

5-10 mg of standard in
autosampler vials



EFFICIENT FORMAT

Our samples are provided in individual autosampler vials with septum cap. No solvent is added to the vials to ensure the stability of compounds and to provide flexibly with the solvent used in the study. Unlike 96-well polypropylene plate format, using individual glass vials provides flexibility in preparation, timing and order of the runs.



<math> < 5 \mu\text{g}</math> of compound/well
 Positions locked
 Not re-fillable
 Low stability after adding solvent
 Low conc. upon pooling



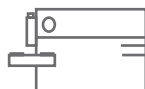
5-10 mg of compound/vial
 Positions can change
 Low cost refills
 High stability of neat compound
 High conc. solution for sample pooling

MORE THAN ENOUGH QUANTITY

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 that provides enough material for NMR studies.

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 peak.



WHAT'S IN THE BOX?



+360 samples
 in 4 boxes



User's manual



Laboratory Information
 Management System

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

HMDB AND MSI+ SUPPORT

We provide all bioinformatics data through major partner databases such as HMDB, YMDB, ECMDB, FoodDb, T3Db, etc. This includes annotation, taxonomy, CAS number, other identifiers used by PubChem and HMDB corresponding biofluid and structure. Accessing our proprietary Library Information Management System (MSI+) will help the research team to identify each compound, prepare solution, calculate concentration and view available spectral data for each compound.

EXCELLENT CUSTOMER SERVICE

The libraries typically ship 3-5 days after receiving the order. We will follow with the courier to make sure you receive the product in excellent condition. MetaSci provides the customers all bioinformatics data through HMDB and internal libraries.

VISIT OUR WEBSITE

For a detailed list of metabolite standards please visit our website at www.metasci.ca