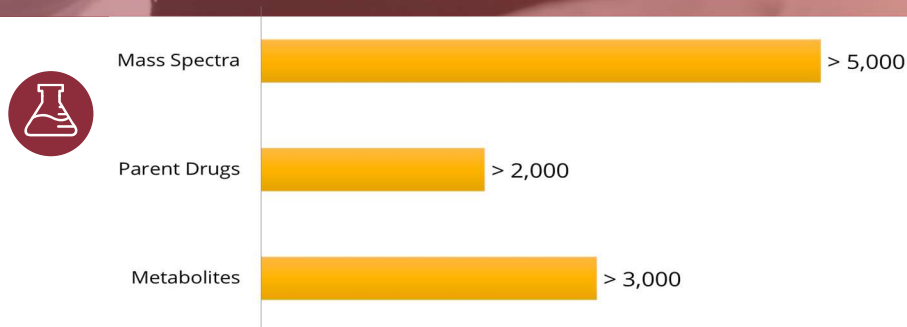


MMHW LC-HR-MS/MS Library of Drugs, Poisons, and Their Metabolites



Specifications



Compound Classification

Over 95 **compound classification** groups for the 5,000 parent drugs and their metabolites or artifacts

- Analgesics
- Anticonvulsants
- Antidiabetics
- Antihypertensives
- Cannabinoids
- Diuretics
- Drugs of Abuse, NPS
- Hypnotics
- ... and more
- Virustatics

Maurer/Meyer/Helfer/Weber

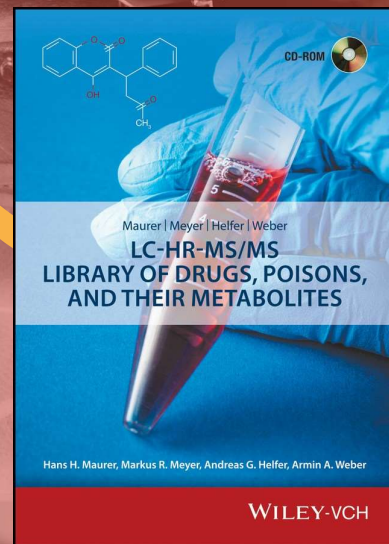
Introduction

A major goal in clinical and forensic as well as in doping laboratories is a broad screening procedure for detection of toxic compounds or drugs of abuse. In addition to GC-MS and LC-MSⁿ screening techniques, LC-high-resolution tandem mass spectrometry (LC-HR-MS/MS) provides various advantages for screening approaches such as higher versatility, sensitivity and specificity.

The Maurer/Meyer/Helfer/Weber LC-HR-MS/MS Library of Drugs, Poisons, and Their Metabolites is the basis for metabolite-based screening procedures described for various drug classes.

Detection of metabolites increases selectivity, allows confirmation of the body passage, and finally, minimizes the risk of false negative LC-MS results possibly caused by ion suppression of the target analyte. The LC-HR-MS/MS library features over 2,000 parent drugs or poisons, and over 3,000 of their metabolites or artifacts in over 95 compound classification groups.

Insecticides
Psychotropics





Compatibility

Refer to your manufacturer's software manual for specifics



Thermo™ TraceFinder™

NIST MS Search

Software/Library Workflow

TraceFinder™ and MS Search Software can be used to screen a sample containing unknown analytes against the **MMHW LC-HR-MS/MS Library** using the workflow, below, and accepted screening methods.



The MMHW library consists of the following compound data :

- Compound name
- Empirical formula
- Exact molecular mass (u) and precursor mass
- Five most intensive fragments
- Polarity
- Retention time (min)
- CAS number
- Category



Ordering Information

Maurer/Meyer/Helfer/Weber LC-HR-MS/MS Library of Drugs, Poisons, and Their Metabolites

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