



Maurer / Wissenbach / Weber LC-MSⁿ Library of Drugs, Poisons, and Their Metabolites, 2nd Edition

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DVD

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DESCRIPTION

Optimize your metabolite-based LC-MSⁿ screening and minimize false negative results

The *Maurer/Wissenbach/Weber LC-MSⁿ Library of Drugs, Poisons, and Their Metabolites, Second Edition* provides a proven metabolite-based LCMSⁿ screening method and MS² and MS³ spectra of over 2,270 parent compounds and over 3,600 of their metabolites, making it one of the only LC-MSⁿ screening libraries that focuses on metabolite spectra.

The second edition was developed for forensic and clinical research and routine labs to quickly and accurately confirm and identify drugs, poisons, and/or their metabolites. Detection of metabolites increases the sensitivity, detection window and selectivity, allows confirmation of the body passage, and minimizes the risk of false negative LC-MS results possibly caused by ion suppression of the target analyte. Even the risk of false positive results can be reduced considering the metabolite patterns.

LC-MSⁿ Library of Drugs, Poisons, and Their Metabolites, Second Edition includes instrument specific training inserts covering details on:

- Sample preparation methods
- Applied chromatographic conditions
- Applied MS settings

Library Specifications:

Spectra: > 13,000

Structures: 10,787

Toxicologically Relevant Compounds: > 2,270

Metabolites/Artifacts: > 3,600

Endogenous Molecules/Impurities: 90

Compatibility:

Bruker Toxtyper 2.0

NIST MS Search

Thermo Xcalibur, ToxID

Wissenbach DK, Meyer MR, Remane D, Weber AA, Maurer HH. Development of the first metabolite-based LC-MS n urine drug screening procedure - exemplified for antidepressants. (2011) Anal Bioanal Chem. 400:79-88.

Wissenbach DK, Meyer MR, Remane D, Philipp AA, Weber AA, Maurer HH. Drugs of abuse screening in urine as part of a metabolite-based LC-MS n screening concept. (2011) Anal Bioanal Chem. 400:3481-3489.

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