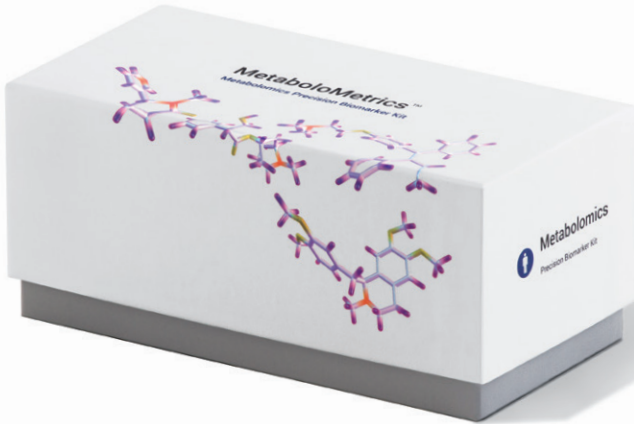


MetaboloMetrics™

Metabolomics Precision Biomarker Kit

Bile Acids





Metabolomics

Precision Biomarker Kit

Bile Acids

MetaboloMetrics™ Bile Acids Precision Biomarker Kit

- Largest Bile Acid panel on the market: Quantify 47 bile acids from a single sample
- Fully optimized assays offering robust and precise measurements on each validated LC-MS platform
- Rigorous MRM-MS quantitation strategy using isotope labeled internal standards and a full suite of 47 calibration standards.
- An easy-to-use turnkey solution!



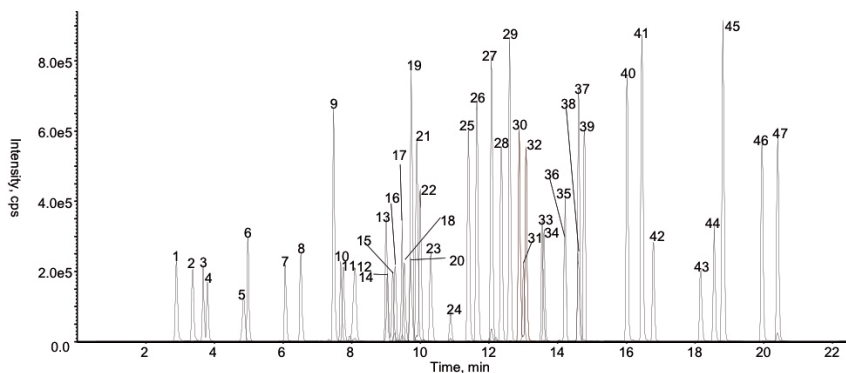
METABOLOMETRICS™ BILE ACIDS PRECISION BIOMARKER KIT

MRM Proteomics Inc is pleased to introduce the most comprehensive bile acids analysis kit on the market today. The MetaboloMetrics™ Bile Acids kit offers absolute quantitation of 47 bile acids with an emphasis on precision and robustness. This new addition to our product line follows the same model as our PeptiQuant Plus kits, bringing you the highest quality assays in the form of a complete easy-to-use turnkey solution. To ensure accurate quantitation and reproducibility, the kit employs

an isotope dilution strategy featuring stable isotope labeled internal standards and a full suite of 47 bile acid calibration standards.

MetaboloMetrics™ Bile Acid Kits are optimized and validated on several LC-MRM-MS platforms for the analysis of human and rodent plasma or serum. The kit can also be adapted for other matrices such as tissues, bile and feces with modifications to the sample preparation procedure.

Sample UPLC/MRM-MS chromatogram of 47 bile acids



- | | | | | | |
|--------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------|----------------------------------|
| 1. Taurodehydrocholic acid | 2. Tauro- ω -muricholic acid | 3. Tauro- α -muricholic acid | 4. Tauro- β -muricholic acid | 5. Glycodehydrocholic acid | 6. Taurohyocholic acid |
| 7. Tauroursodeoxycholic acid | 8. Taurocholic acid | 9. Ursocholic acid | 10. Dioxolithocholic acid | 11. Glycohyocholic acid | 12. Dehydrocholic acid |
| 13. ω -muricholic acid | 14. Glycooursodeoxycholic acid | 15. Glycohyodeoxycholic acid | 16. Glycocholic acid | 17. α -muricholic acid | 18. Taurochenodeoxycholic acid |
| 19. Nonursodeoxycholic acid | 20. Nercholic acid | 21. 7-Ketodeoxycholic acid | 22. β -muricholic acid | 23. Taurodeoxycholic acid | 24. 12-Ketochenodeoxycholic acid |
| 25. Hyocholic acid | 26. Murocholic acid | 27. 3-Dehydrocholic acid | 28. Allocholic acid | 29. Cholic acid | 30. Ursodeoxycholic acid |
| 31. Glycochenodeoxycholic acid | 32. Hyodeoxycholic acid | 33. Tauroolithocholic acid | 34. Glycodeoxycholic acid | 35. 7-Ketolithocholic acid | 36. 6,7-Diketolithocholic acid |
| 37. Nordoxycholic acid | 38. 12-Ketolithocholic acid | 39. Apocholic acid | 40. Chenodeoxycholic acid | 41. Deoxycholic acid | 42. Glycolithocholic acid |
| 43. Alloisolithocholic acid | 44. Isolithocholic acid | 45. Isoodeoxycholic acid | 46. Lithocholic acid | 47. Dehydrolithocholic acid | |



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