

# Targeted Metabolomics Analysis at Your Fingertips

With the Agilent 6495B/C triple quadrupole LC/MS powered with the biocrates MxP Quant 500 kit

## Quantify a broad spectrum of metabolites with an easy and ready-to-use kit.

Metabolomics provides the combined read-out of genetics, environment, and lifestyle in health and disease. Targeted metabolomics experiments using a triple quadrupole LC/MS can identify altered reactions and disrupted pathways within a defined group of metabolites in a cell, tissue, or organism. The biocrates MxP Quant 500 kit quantifies metabolites with coverage of up to 630 metabolites from 26 biochemical classes, bringing advanced and reproducible metabolomics technology to academic and clinical researchers.

The Agilent 6495B/C triple quadrupole LC/MS system combined with the biocrates kit provides high throughput and excellent reproducibility. Only small sample volumes (10  $\mu$ L) is required for straightforward implementation of a targeted metabolomic method in your lab. Using the Agilent LC/MS system and a ready-to-use kit with a simple automated workflow, you can quickly generate quantitative results with excellent accuracy and precision. This solution provides a reliable tool for broad metabolic profiling.



Agilent 6495B/C triple quadrupole LC/MS



 **biocrates**  
The future of research and health

### Straightforward metabolite quantitation

- Standardized and ready-to-use solution
- Robust LC/MS solution for high throughput
- Minimal sample consumption
- Simple automated workflow
- Excellent data quality

### Accelerating metabolomics

Call 800-227-9770 (in the U.S. or Canada) or visit:

[www.agilent.com/en/solutions/metabolomics/accelerating-metabolomics](http://www.agilent.com/en/solutions/metabolomics/accelerating-metabolomics)

For information about the biocrates MxP Quant 500 kit, visit:

[biocrates.com/mxp-quant-500-kit/](http://biocrates.com/mxp-quant-500-kit/)

## A powerful combination for standardizing metabolite analysis

- A standardized, quantitative metabolic phenotyping assay using the Agilent 6495B/C triple quadrupole LC/MS system
- A ready-to-use metabolite solution with easy and rapid sample preparation protocol, enabling high-throughput analysis
- Multiplexed and targeted analysis of up to 630 metabolites relevant to key biological functions from 26 biochemical classes, including substances related to nutrition and host-microbiome interaction
- Kit covers small molecules and lipids including alkaloids (1), amine oxides (1), amino acids (20), amino acid related (30), bile acids (14), biogenic amines (9), carbohydrates and related (1), carboxylic acids (7), cresols (1), fatty acids (12), hormones (4), indoles and derivatives (4), nucleobases and related (2), vitamins and cofactors (1), acylcarnitines (40), phosphatidylcholines (76), lysophosphatidylcholines (14), sphingomyelins (15), ceramides (28), dihydroceramides (8), hexosylceramides (19), dihexosylceramides (9), trihexosylceramides (6), cholesteryl esters (22), diglycerides (44), triglycerides (242)
- Optimized MRM transitions for all metabolites in the biocrates kit, along with instrument-specific acquisition methods
- Automated data analysis of metabolites and internal standards using biocrates MetIDQ software
- Increased confidence and biological pathway interpretation (with 234 metabolism indicators, associated with related biological functions) to give your data more meaningful impact and statistical power (with MetaboINDICATOR add-on)

## Supported Agilent LC/MS configuration

Product description	Part number
Agilent 6495C or 6495B triple quadrupole LC/MS	G6495CA or G6495BAR
Agilent 1290 Infinity II High Speed Pump, with options 033, 034, and 006	G7120A
Agilent 1290 Infinity II Multisampler, with options 101, 112, 131, and 132	G7167B
Agilent 1290 Infinity II Multicolumn Thermostat, with options 058, 064, and 072	G7116B
Valve kit, 2 position/6 port valve head, option 005	G4231C

Learn how to take the lead in metabolomics with Agilent.  
Call 800-227-9770 (in the U.S. or Canada) or visit:

<https://www.agilent.com/en/solutions/omics/metabolomics>

<https://www.agilent.com/en/solutions/omics/lipidomics>

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