biocrates
The future of research and health

Quantitative metabolomics profiling kits (1|2)

Standardized, ready-to-use and quality-controlled solutions

- ✓ Patented 96-well filter plates with integrated internal standards
- ✓ Calibration and QC samples, system suitability test samples
- ✓ Protocols for different matrices
- ✓ Instrument-specific methods
- ✓ WebIDQ workflow management software (subscription separate from the kit)



	MxP® Quant 1000 kit	MxQuant kit	LxQuant kit
Benefits	Largest combination of small molecules and lipids	Instant insights through small molecules	Rapid discoveries through lipidomics
Applications	Decipher chronic disease and metabolic health	Explore core metabolism and microbiome	Investigate membrane, storage, circulating lipids
Metabolites (total) – Small molecules – Lipids	1,233 (49 classes) – 327 (24 classes) – 906 (25 classes)	327 (24 classes) – 327 (24 classes) – 0	906 (25 classes) – 0 – 906 (25 classes)
Metabolism indicators	648	293	325
Plate options	10 or 80 samples	10 or 80 samples	10 or 80 samples
Sample amount	40 µL/50 mg/3x10^6 cells	30 µL/50 mg/3x10^6 cells	10 µL/50 mg/3x10^6 cells
Run time per full kit*	69h (54h instrument time)	43h (32h instrument time)	29h (22h instrument time)
Throughput	160 samples/ week/instrument	240 samples/ week/instrument	400 samples/ week/instrument
Matrices	Plasma, serum, urine, tissues, feces, cells, CSF, DBS	Plasma, serum, urine, tissues, feces, cells, CSF, DBS	Plasma, serum, urine, tissues, feces, cells, CSF, DBS
LC-MS compatibility	– Agilent 6495C – SCIEX 5500+, 6500+, 7500 – Waters Xevo TQ-XS	– Agilent 6495C – SCIEX 5500+, 6500+, 7500 – Waters Xevo TQ-XS	– Agilent 6495C – SCIEX 5500, 5500+, 6500+, 7500 – Waters Xevo TQ-XS

* Includes sample registration and preparation, data processing and reporting

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Quantitative metabolomics profiling kits (2|2)

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	MxP® Quant 500 XL kit	MxP® Quant 500 kit	AbsoluteIDQ p180 kit
Benefits	Extensive lipidomics with small molecules	Balanced coverage and throughput	The standard for core metabolites
Applications	Unravel the complexity of health and disease	Quantify the impact of the microbiome on health	Ideal for metabolism exploratory research
Metabolites (total) – Small molecules – Lipids	1,019 (39 classes) – 107 (14 classes) – 912 (25 classes)	630 (26 classes) – 107 (14 classes) – 523 (12 classes)	188 (6 classes) – 43 (3 classes) – 145 (3 classes)
Metabolism indicators	474	264	136
Plate options	10, 40 or 80 samples	10, 40 or 80 samples	10, 40 or 80 samples
Sample amount	20 µL/50 mg/3x10^6 cells	10 µL/50 mg/3x10^6 cells	10 µL/50 mg/3x10^6 cells
Run time per full kit*	55h (46h instrument time)	42h (34h instrument time)	24h (17h instrument time)
Throughput	240 samples/ week/instrument	320 samples/ week/instrument	560 samples/ week/instrument
Matrices	Plasma, serum, urine, tissues, feces, cells, CSF, DBS	Plasma, serum, urine, tissues, feces, cells, CSF, DBS	Plasma, serum, urine, tissues, feces, cells, CSF, DBS
LC-MS compatibility	– Agilent 6495C/D – SCIEX 5500, 5500+, 6500+, 7500 – Thermo Altis/Altis Plus – Waters Xevo TQ-XS, TQ Absolute	– Agilent 6495B/C/D – SCIEX 5500-7500 – Thermo Altis/Altis Plus – Waters Xevo TQ-S, TQ-S micro, TQ-XS, TQ Absolute	– Agilent 6470, 6495C/D – SCIEX 4000-6500+ – Thermo Altis/Altis Plus – Waters Xevo TQ-S, TQ-S micro, TQ-XS, TQ Absolute

* Includes sample registration and preparation, data processing and reporting

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Quantitative metabolomics HR and specialized kits

Standardized, ready-to-use and quality-controlled solutions

- ✓ Patented 96-well filter plates with integrated internal standards
- ✓ Calibration and QC samples, system suitability test samples
- ✓ Protocols for different matrices
- ✓ Instrument-specific methods
- ✓ WebIDQ workflow management software (subscription separate from the kit)



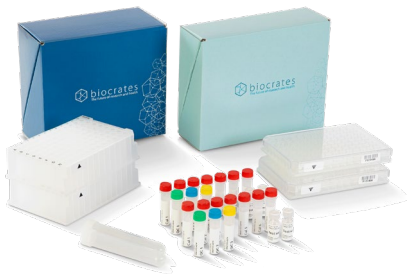
	AbsoluteIDQ p400 HR kit	MxP® Quant HR Xpress kit	AbsoluteIDQ Bile Acids kit
Benefits	Broad metabolic profiling in a high-resolution workflow	Fast metabolic profiling in a high-resolution workflow	Quantify primary and secondary bile acids
Applications	Expanded lipid and acylcarnitine panel for epidemiological and clinical research	Expanded lipid panel for epidemiological and clinical research	Microbiome and host metabolism of bile acids
Metabolites (total) – Small molecules – Lipids	408 (11 classes) – 43 (3 classes) – 365 (8 classes)	363 (11 classes) – 43 (3 classes) – 20 (8 classes)	20 specific bile acids – 10 primary – 10 secondary
Metabolism indicators	104	94	40
Plate options	10 or 80 samples	10 or 80 samples	40 or 80 samples
Sample amount	10 µL/50 mg/3x10^6 cells	10 µL/50 mg/3x10^6 cells	10 µL/50 mg/3x10^6 cells
Run time per full kit*	32h (24h instrument time)	24h (17h instrument time)	14h (10h instrument time)
Throughput	320 samples/ week/instrument	560 samples/ week/instrument	1,120 samples/ week/instrument
Matrices	Plasma, serum, tissues, feces, cells, CSF, DBS	Plasma, serum, tissues, feces, cells, CSF, DBS	Bile, plasma, serum, urine, tissues, feces, DBS
LC-MS compatibility	– All Thermo Q Exactive platforms – All Thermo Orbitrap Exploris platforms	– All Thermo Q Exactive platforms – All Thermo Orbitrap Exploris platforms	– Agilent 6495C – SCIEX 4000-6500+ – Waters Xevo TQ-S, TQ-S micro

* Includes sample registration and preparation, data processing and reporting

Quantitative metabolomics kit for routine laboratories

Standardized, ready-to-use and quality-controlled solutions

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	SMartIDQ alpha kit
Benefits	Enhance lab efficiency and analytical capabilities
Applications	Unique set of metabolites relevant to nutrition, microbiome and health
Metabolites	107 small molecules (13 classes)
Metabolism indicators	138
Kit capacity	160 samples
Sample amount	10 µL/50 mg/3x10^6 cells
Run time per kit*	58h (44h instrument time)
Throughput	400 samples/week/instrument
Matrices	Plasma, dried blood (DBS, Mitra® tips)
LC-MS compatibility	– SCIEX 5500, 5500+ – Waters Xevo TQ-XS

* Includes sample registration and preparation, data processing and reporting