

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

## Quantitative metabolomics profiling kits (2|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 500 XL kit	MxP® Quant 500 kit	AbsoluteIDQ p180 kit
<b>Benefits</b>	Extensive lipidomics with small molecules	Balanced coverage and throughput	The standard for core metabolites
<b>Applications</b>	Unravel the complexity of health and disease	Quantify the impact of the microbiome on health	Ideal for metabolism exploratory research
<b>Metabolites (total)</b> – 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)
<b>Metabolism indicators</b>	474	264	136
<b>Plate options</b>	10, 40 or 80 samples	10, 40 or 80 samples	10, 40 or 80 samples
<b>Sample amount</b>	20 µL/50 mg/3x10 <sup>6</sup> cells	10 µL/50 mg/3x10 <sup>6</sup> cells	10 µL/50 mg/3x10 <sup>6</sup> cells
<b>Run time per full kit*</b>	55h (46h instrument time)	42h (34h instrument time)	24h (17h instrument time)
<b>Throughput</b>	240 samples/week/instrument	320 samples/week/instrument	560 samples/week/instrument
<b>Matrices</b>	Plasma, serum, urine, tissues, feces, cells, CSF, DBS	Plasma, serum, urine, tissues, feces, cells, CSF, DBS	Plasma, serum, urine, tissues, feces, cells, CSF, DBS
<b>LC-MS compatibility</b>	– 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

## 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
<b>Benefits</b>	Broad metabolic profiling in a high-resolution workflow	Fast metabolic profiling in a high-resolution workflow	Quantify primary and secondary bile acids
<b>Applications</b>	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
<b>Metabolites (total)</b> – 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
<b>Metabolism indicators</b>	104	94	40
<b>Plate options</b>	10 or 80 samples	10 or 80 samples	40 or 80 samples
<b>Sample amount</b>	10 µL/50 mg/3x10 <sup>6</sup> cells	10 µL/50 mg/3x10 <sup>6</sup> cells	10 µL/50 mg/3x10 <sup>6</sup> cells
<b>Run time per full kit*</b>	32h (24h instrument time)	24h (17h instrument time)	14h (10h instrument time)
<b>Throughput</b>	320 samples/week/instrument	560 samples/week/instrument	1,120 samples/week/instrument
<b>Matrices</b>	Plasma, serum, tissues, feces, cells, CSF, DBS	Plasma, serum, tissues, feces, cells, CSF, DBS	Bile, plasma, serum, urine, tissues, feces, DBS
<b>LC-MS compatibility</b>	– 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

- ✓ 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)



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

\* Includes sample registration and preparation, data processing and reporting