

Services Sample Type	High Performance Chemical Isotope Labeling LC-MS Technology						FOCUS Metabolomics	GLOBAL Lipidomics
	Basic		Elevated		Comprehensive			
	HP-CIL Metabolomics	SHARP Metabolomics	HP-CIL Metabolomics	SHARP Metabolomics	HP-CIL Metabolomics	SHARP Metabolomics		
Serum / Plasma	40µL / 100µL	4µL / 14µL	60µL / 150µL	7µL / 21µL	110µL / 250µL	15µL / 18µL	40µL / 120µL	10µL / 20µL
Urine	15µL / 30µL	3µL / 10µL	25µL / 50µL	5µL / 15µL	40µL / 80µL	10µL / 20µL	40µL / 120µL	240µL / 500µL
Saliva	25µL / 100µL	4µL / 14µL	50µL / 150µL	7µL / 21µL	100µL / 250µL	15µL / 28µL	50µL / 150µL	60µL / 120µL
Tissue²	5mg / 20mg	5mg / 12mg	10mg / 40mg	8mg / 20mg	20mg /60mg	16mg / 32mg	10mg /30mg	2mg / 5mg
Feces	5mg / 20mg	5mg / 12mg	10mg / 40mg	8mg / 20mg	20mg /60 mg	16mg / 32mg	10mg /30mg	2mg / 5mg
Plant	5mg / 20mg	5mg / 12mg	10mg / 40mg	8mg / 20mg	20mg /60 mg	16mg / 32mg	10mg /30mg	2mg / 5mg
Cells	5×10 ⁵ / 1×10 ⁶	5×10 ³ / 2×10 ⁴	1×10 ⁶ / 2×10 ⁶	1×10 ⁴ /4×10 ⁴	2×10 ⁶ / 4×10 ⁶	2×10 ⁴ /8×10 ⁴	2×10 ⁶ / 6×10 ⁶	5×10 ⁵ / 1×10 ⁶
Microbes	5mg / 20mg	3×10 ⁴ / 1.5×10 ⁴	10mg / 40mg	6×10 ⁴ / 3×10 ⁴	20mg / 60mg	1.5×10 ⁴ / 6×10 ⁴	40mg /120mg	2mg / 5mg
Culture Medium	25µL / 100µL	4µL / 14µL	50µL / 150µL	7µL / 21µL	100µL / 250µL	15µL / 28µL	–	240µL / 500µL
Other Common Biofluids²	25µL / 100µL	4µL / 14µL	50µL / 150µL	7µL / 21µL	100µL / 250µL	15µL / 28µL	–	60µL / 120µL

NOTES

- The sample amount in each cell is shown as “minimum amount / preferred amount”.
- Lower inputs may be possible but could impact peak pair numbers and metabolite coverage.
- Sample requirements assume a metabolite concentration of ≥ 1 mM. Samples with lower concentrations may require larger input volumes to maintain adequate metabolite detection.
- Please measure or weigh the amount of samples during sample collection. Send the sample amount information when sending the samples.
- For special or alternative samples, accommodation may be possible; please contact us to discuss your specific needs.

