

CLASS	DESCRIPTION	VOLUME
Bile acids analysis (I)	Quantification of 51 unconjugated, taurine- and glycine-conjugated bile acids in human and rodent plasma/serum, bile, tissues, cells, cecal content, brain, neurons, urine and feces by UPLC-(-)MRM/MS	25 μ L plasma/serum, 1 μ L bile, 200 μ L urine, 2x10(6) cells or 20 mg tissues
Bile acids analysis (II)	Quantitation of 51 compounds in bile acids analysis I and 16 bile acid sulfates and glucuronides in plasma/serum and urine in human and rodent plasma/serum, bile, tissues, cells, cecal content, brain, neurons, urine and feces by UPLC-(-)MRM/MS	25 μ L plasma/serum, 1 μ L bile, 200 μ L urine, 2x10(6) cells or 20 mg tissues
Bile acid synthesis precursors analysis	Quantitation of 2 precursors of bile acid synthesis (7 α -OH chol-4-esten-3-one and 7 α ,12 α -diOH chol-4-esten-3-one) in human and rodent plasma/serum, bile, tissues, cells, cecal content, brain, neurons, urine and feces by UPLC-(+)MRM/MS.	50 μ L plasma/serum, 2x10(6) cells or 50 mg tissues
Low-MW sugars analysis	Quantification of ribose, xylose, ribulose, arabinose, rhamnose, xylulose, fucose, glucose, mannose, galactose, fructose, maltose, lactose, cellobiose by UPLC-MRM/MS	50 μ L plasma/serum, 2x10(6) cells or 50 mg tissues
Cardiolipin compounds analysis	UPLC-(FT)MS/MS identification and UPLC-FTMS quantitation of cardiolipin compounds in cell, tissues, CSF and blood samples	100 μ L plasma/serum, 2x10(6) cells or 50 mg tissues
Aldehydes analysis	Quantification of small molecule aldehydes (MDA, 4-HHE, 4-HNE, and C2 to C9 aldehydes) by chemical derivatization UPLC-MRM/MS	100 μ L plasma/serum and 0.5 mL urine
Steroid hormones analysis	Quantification of about 30 steroid hormones by UPLC-MRM/MS	100 μ L plasma/serum, 100 mg tissues
2nd nucleotide messengers analysis	Quantitation of 10 2nd nucleotide messengers	2x10(6) cells or 50 mg tissues
Plant phytohormones analysis	Identification and quantification of 21 plant phytohormones by UPLC-MRM-MS	100-300 mg, depending on tissue. Please inquire.
Short-chain (C2 to C6) fatty acids analysis	Quantitation of 10 C2 to C6 short-chain fatty acids	50 μ L plasma/serum, 20 mg tissues
Full-profile fatty acids analysis	Quantitation of short- to very long-chain (C2 to C26) saturated/unsaturated, even-/odd-carbon number, hydroxyl and di-carboxylic fatty acids	50 μ L plasma/serum, 20 mg tissues
Free and acyl CoAs analysis	Quantitation of free and C2 to C18 acyl-CoAs	50 mg tissues, 1x10(7) cells