

Materials List for:

Quantitative and Qualitative Method for Sphingomyelin by LC-MS Using Two Stable Isotopically Labeled Sphingomyelin Species

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Materials

Name	Company	Catalog Number	Comments
PBS	ThermoFisher	10010023	
100 mm tissue culture dish	IWAKI	3020-100	
Cell scraper	IWAKI	9000-220	
Siliconized 2.0 mL tube	Fisher Scientific	02-681-321	
Test tube	IWAKI	TST SCR 16-100	
Teflon-lined screw cap	IWAKI	9998CAP415-15	
Disposable glass tube	IWAKI	9832-1310	
CAPCELL PAK C18 ACR 3 µm 1.5 mm I.D. x 100 mm	Shiseido	92223	Guard cartridge is inserted into cartridge holder, and linked to C18 column
CAPCELL C18 MGII S-3 2.0 mm x 10 mm GUARD CARTRIDGE	Shiseido	12197	
Cartridge holder	Shiseido	12415	
Acetonitrile	Wako	018-19853	
2-Propanol (Isopropyl Alcohol)	Wako	161-09163	
Methanol	Wako	134-14523	
Formic acid	Wako	066-00466	
28% Ammonia water	Wako	016-03146	
Sonicator (bath type)	SHARP	UT-206H	
Vortex mixer for glass test tube	TAITEC	Mix-EVR	
1.4 mL glass vial	Tomsic	500-1982	Samples are stored in 1.4 mL glass vial sealed with screw cap and 8 mm septum at -20°C
8 mm septum	Tomsic	200-3322	When samples are analyzed, screw caps are replaced with screw caps with slit septum
Screw cap for 1.4 mm glass vial	Tomsic	500-2762	
Screw cap with slit septum	Shimadzu GLC	GLCTV-803	
PVDF 0.22 µm filter	Millipore	SLGVR04NL	
Triple quadrupole and quadrupole linear ion trap mass spectrometry	SCIEX	QTRAP4500	
The software for data acquisition and analysis of product ion spectra	SCIEX	Analyst	
The software for data integration in quantitative analysis	SCIEX	MultiQuant	
HPLC system	Shimadzu	Nexera	
Glass bottle	Sansyo	85-0002	

d18:1/24:0 sphingomyelin	Avanti Polar Lipids	860592P	
Sphingosylphosphorylcholine	Merck	567735	
Fetal bovine serum	ThermoFisher	26140079	
L-glutamine	ThermoFisher	25030081	
Penicillin and streptomycin	Sigma	P4333	
Eagle's minimum essential medium	Sigma	M4655	