

Materials List for:

Determination of Sialic Acids in Liver and Milk Samples of Wild-type and CMAH Knock-out Mice.

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URL: <https://www.jove.com/video/56030>

DOI: [doi:10.3791/56030](https://doi.org/10.3791/56030)

Materials

Name	Company	Catalog Number	Comments
Chemicals:			
N-acetylneuraminic acid	Sigma	A0812	
N-glycolylneuraminic acid	Sigma	50644	1 mg aliquot should be sufficient
o-Phenylenediamine	Sigma	694975	
Sodium hydrogen sulfite	J&K Scientific Ltd	75234	
Tools/Materials:			
3 mL SPE tubes	Supelco	Sigma 57024	empty solid phase extraction columns
Luer stopcock	Sigma	S7396	to stop the flow of the SPE tube
Dowex 1X8	Dow Chemicals	Sigma 44340	200 - 400 mesh
Dounce tissue grinder	Sigma	D8938	tight fit
HPLC Analysis:			
High-recovery HPLC vial	Agilent Technologies	#5188-2788	
HPLC System	Shimadzu	Nexera	
Fluorescence Detector for HPLC	Shimadzu	RF-20Axs	
HPLC Column	Phenomenex	Hyperclone ODS	250 x 4.6 mm
LCMS-grade H ₂ O	Merck Millipore	#WX00011	
LCMS-grade Acetonitrile	Merck Millipore	#100029	Hypergrade
Ammonium hydroxide solution	Fluka	#44273	puriss. P.a.