

Materials List for:

Isolation and Preparation of Bacterial Cell Walls for Compositional Analysis by Ultra Performance Liquid Chromatography

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Materials

Name	Company	Catalog Number	Comments
Pronase E	Amresco	E629	
Mutanolysin from Streptomyces	Sigma-Aldrich	M9901	
Sodium borohydride (NaBH ₄)	Sigma-Aldrich	452882	Sodium borohydride is highly reactive and dangerous to handle
Orthophosphoric acid	Sigma-Aldrich	79607	Orthophosphoric acid is corrosive and dangerous to handle
Boric acid	Sigma-Aldrich	31146	
Sodium azide	Sigma-Aldrich	S2002	Sodium azide is a poison
Sodium tetraborate	Sigma-Aldrich	221732	
Millex 0.22 µm syringe filters	Fisher	SLGVR04NL	
pH strips (pH range 0-6)	Fisher	M95863	
50 ml polypropylene Falcon tubes	VWR	21008-951	
13 mm x 100 mm glass tubes	Kimble Chase	60CM13	
12 mm x 32 mm screw neck glass recovery vial	Waters	186000327C	
Sodium Dodecyl Sulfate	Ambion	AM9820	SDS powder is hazardous
Instrumentation			
Waters Acquity UPLC H-Class system, including:			
Acquity UPLC H-Class Sample Manager FTN			
Acquity UPLC H-Class Quaternary Solvent Manager			
Acquity UPLC BEH C18 1.7 µm column			
Acquity UPLC PDA Detector			
Waters Fraction Collector III			
Acquity UPLC 30 cm Column Heater/Cooler			