

Materials List for:

Expression, Detergent Solubilization, and Purification of a Membrane Transporter, the MexB Multidrug Resistance Protein

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Materials

Name	Company	Catalog Number	Comments
SDS sample buffer	Bio-Rad	161-0737	
C43(DE3) E. coli strain	Lucigen	60345-1	
kanamycin sulfate	Sigma-Aldrich	K4378	
2XYT media	Fisher Scientific	BP2466-2	
LB media	Fisher Scientific	AC61189-5000	
IPTG	Sigma-Aldrich	I6758	
DNaseI	Fisher Scientific	BP3226-1	
Lysozyme	Sigma-Aldrich	L7651	
Complete EDTA-free protease inhibitor tablets	Roche Group	11 873 580 001	
NaP monobasic	Sigma-Aldrich	S6566	
NaP dibasic	Sigma-Aldrich	S5136	
NaCl	Sigma-Aldrich	S6191	
MgCl ₂	Sigma-Aldrich	M1028	
Glycerol	Fisher Scientific	BP229-1	
<i>n</i> -dodecyl-β-D-maltopyranoside	Anatrace	D310	
15ml tubes	Corning	430052	
See-Saw Rocker	Fisher Scientific	SSL 4	
Talon metal affinity resin	Clontech Laboratories	635503	
imidazole	Sigma-Aldrich	I5513	
10% polyacrylamide SDS PAGE gels	Bio-Rad	161-1454	
Tris/glycine/SDS PAGE running buffer	Bio-Rad	161-0732	
Kaleidascope prestained molecular weight markers	Bio-Rad	161-0324	
Superose 12 30/10 column	GE Healthcare	12 10/300 GL	
Amicon centrifugal concentrator	EMD Millipore	UFC801024	
Syringe filter	Fisher Scientific	SLFG R04 NL	
Fernbach flasks	Fisher Scientific	09-552-39	
Shaker to hold Fernbach flasks	Fisher Scientific		
Akta system	GE Healthcare		
J6 Large scale centrifuge with JLA-8.1000 rotor	Beckman Coulter Inc.		
1 l centrifuge bottles	Beckman Coulter Inc.	969329	

RC-5 centrifuge	Thermo Fisher Scientific, Inc.		
SS34 fixed-angle rotor and tubes	Thermo Fisher Scientific, Inc.		
Sorvall floor model Ultracentrifuge	Thermo Fisher Scientific, Inc.		
T647.5 rotor and tubes with caps	Thermo Fisher Scientific, Inc.	08322	
French Pressure Cell	Thermo Fisher Scientific, Inc.	FA-032	