

Materials List for:

Forward Genetic Approaches in *Chlamydia trachomatis*

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Materials

Name	Company	Catalog Number	Comments
Dulbecco's Modified Eagle Medium (DMEM)	Life Technologies	11995-073	
Fetal Bovine Serum (FBS)	Cellgro	35-010-CV	
Ethyl methanesulfonate (EMS)	Sigma	M0880	
Cyclohexamide	Sigma	C4859-1ML	
Gentamicin	Life Technologies	15750-060	
Phosphate buffered saline (PBS)	Life Technologies	14190-144	
Phosphate buffered saline (PBS) solution with 0.493 mM MgCl ₂ and 0.901 mM CaCl ₂ (PBS+MgCl ₂ /CaCl ₂)	Life Technologies	14040-133	
1 M NaOH			
5x SPG buffer (1.25 M sucrose, 50 mM sodium phosphate, 25 mM glutamic acid)			
SPG buffer (0.25 M sucrose, 10 mM sodium phosphate, 5 mM glutamic acid)			
Water (sterile, tissue culture grade)			
2x DMEM (prepared from powder, buffered with 7.4 g/L Sodium Bicarbonate)	Sigma	D7777	
Nonessential amino acids (NEAA)	Life Technologies	11140-050	
1.2% GTG Agarose , autoclaved	Lonzo	50070	
Genomic DNA purification kits	Qiagen	69504	
DNAzol	Life Technologies	10503-027	
Ethanol (molecular biology grade)			
8 mM NaOH			
0.1 M HEPES (4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid) buffer			
25 cm2 tissue culture flasks (T25 flasks)			
6-well tissue culture plates			
12-well tissue culture plates			
96-well tissue culture plates			
Chemical safety hood			
Biological safety hood			

>Centrifuge and adaptors for spinning tissue plates			
>Dissection microscope			
Fluorometer (Qubit)	Invitrogen	Q32866	
Adaptive Focused Acoustics S220 instrument	Covaris		