

Materials List for

Epithelial Cell Infection Analyses with *Shigella*

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Materials

Name	Company	Catalog Number	Comments
0.22 µm PES filter	Millipore-Sigma	SCGP00525	Sterile, polyethersulfone filter for sterilizing up to 50 mL media
14 mL culture tubes	Corning	352059	17 mm x 100 mm polypropylene test tubes with cap
50 mL conical tubes	Corning	430829	50 mL clear polypropylene conical bottom centrifuge tubes with leak-proof cap
6-well tissue culture plates	Corning	3516	Plates are treated for optimal cell attachment
Bile salts	Sigma-Aldrich	B8756	1:1 ratio of cholate to deoxycholate
Congo red dye	Sigma-Aldrich	C6277	A benzidine-based anionic diazo dye, >85% purity
Countess cell counting chamber slide	Invitrogen	C10283	To be used with the Countess Automated Cell Counter
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D8418	A highly polar organic reagent
Dulbecco's Modified Eagle Medium (DMEM)	Gibco	10569-010	DMEM is supplemented with high glucose, sodium pyruvate, GlutaMAX, and Phenol Red
Fetal Bovine Serum (FBS)	Sigma-Aldrich	F4135	Heat-inactivated, sterile
Gentamicin	Sigma-Aldrich	G3632	Stock concentration is 50 mg/mL
HT-29 cell line	ATCC	HTB-38	Adenocarcinoma cell line; colorectal in origin
Paraffin film	Bemis	PM999	Laboratory sealing film
Petri dishes	Thermo Fisher Scientific	FB0875713	100 mm x 15 mm Petri dishes for solid media
Phosphate-buffered saline (PBS)	Thermo Fisher Scientific	10010049	1x concentration; pH 7.4
Select agar	Invitrogen	30391023	A mixture of polysaccharides extracted from red seaweed cell walls to make bacterial plating media
T75 flasks	Corning	430641U	Tissue culture flasks
Triton X-100	Sigma-Aldrich	T8787	A common non-ionic surfactant and emulsifier

Trypan blue stain	Invitrogen	T10282	A dye to detect dead tissue culture cells; only live cells can exclude the dye
Trypsin-EDTA	Gibco	25200-056	Reagent for cell dissociation for cell line maintenance and passaging
Tryptic Soy Broth (TSB)	Sigma-Aldrich	T8907	Bacterial growth media