

Materials List for

Assessment of Intestinal Transcytosis of Neonatal *Escherichia coli* Bacteremia Isolates

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jove.com/video/64241

Materials

Name	Company	Catalog Number	Comments
10,000 U/ mL Penicillin/Streptomycin Mixture	Fisher Scientific	15-140-122	
15 mL sterile conical tubes	MidSci	C15B	
2 mL microcentrifuge tubes	Avant	AVSS2000	
50 mL sterile polypropylene conical tubes	Falcon	352070	
Aspirator	Corning	4930	
Biosafety Cabinets	Labconco	30441010028343	Three of these are used in the method: one for sterile tissue work, one for infected tissue work, and one for bacterial work.
Centrifuge	Sorvall	Legend RT	
Disposable inoculation loops	Fisherbrand	22363605	
Dulbecco's Modified Eagle Medium (DMEM)	Gibco	11965-084	
Epithelial Volt/Ohm Meter	World Precision Instruments	EVOM2	
Fetal Bovine Serum	Fisher Scientific	10437028	
Ham's F-12 Nutrient Mixture	Gibco	11765-047	
Hemocytometer	Sigma Aldrich, Bright Line	Z359629	
Incubator shaker	New Brunswick	Innova 4080	
Incubators	Thermo Scientific	51030284	Three of these are used in the method: one for sterile tissue culturing, one for infected tissue culturing, and one for bacterial incubation.
Lysogeny broth	Difco	244610	
Lysogeny broth agar	IBI Scientific	IB49101	
Nikon Eclipse TS2R Microscope	Nikon		
Spectrophotometer	Unico	1100RS	
T84 Intestinal Cells	American Tissue Culture Collection	CCL248	

Tissue culture inserts, with polyethylene terephthalate membrane, 3 µm pores, 24 well format	Falcon	353096	
Tissue culture plate, 24 wells	Falcon	353504	
Trypan blue stain	Fisher Scientific	T10282	