

Materials List for:

Determination of Biofilm Initiation on Virus-infected Cells by Bacteria and Fungi

Balbina J. Plotkin¹, Ira M. Sigar¹, Vaibhav Tiwari¹, Scott Halkyard¹

¹Department of Microbiology and Immunology, Midwestern University

Correspondence to: Balbina J. Plotkin at BPLOTK@midwestern.edu

URL: <https://www.jove.com/video/54162>

DOI: [doi:10.3791/54162](https://doi.org/10.3791/54162)

Materials

Name	Company	Catalog Number	Comments
C.albicans			
BBL Sabouraud Dextrose	BD	211584	
Fungisel Agar	Dot Scientific	7205A	
S.aureus			
Mannitol Salt Agar	Troy Biologicals	7143B	
Sheep blood agar	Troy Biologicals	221239	
Hela cells			
1x DMEM (Dubecco's Modified Eagle Medium, with 4.5 g/L glucose and L-glutamine, without sodium pyruvate)	Corning	10-017-CM	
Gentamicin 50 mg/ml	Sigma	1397	50 µg/ml final concentration in the complete DMEM
Trypsin EDTA (0.05% Trypsin, 0.53 M EDTA)Solution 1x	Corning	25-052-CI	
Fetal Bovine Serum	Atlanta Biologicals	S11150	10% final concentration in the complete DMEM
Other medium and reagents			
ONPG	Thermo Scientific	34055	
Ultra-Pure X gal	Invitrogen	15520-018	
1x HBSS (Hanks' Balanced Salt Solution)	Corning	20-021-CV	
1x PBS	Dot Scientific	30042-500	
RIPA Lysis	Life Technologies	89901	
Staining			
Methanol	Fisher Scientific	A433P-4	
HSV 1&2, specific for gD	ViroStat	196	
DAPI	SIGMA	D8417-5MG	
Gram Crystal Violet	Troy Biologicals	212527	
Supplies			
Petri dish 100 x 15	Dot Scientific	229693	
Petri dish 150 x 15	Kord Valmark	2902	
96-Well plates	Evergreen Scientific	222-8030-01F	
24-well plates	Evergreen Scientific	222-8044-01F	
Culture tubes 100 x 13	Thomas Scientific	9187L61	
Cover slip circles, 12 mm	Deckglaser	CB00120RA1	