

Materials List for:

# Induction of Cellular Differentiation and Single Cell Imaging of *Vibrio parahaemolyticus* Swimmer and Swarmer Cells

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URL: <https://www.jove.com/video/55842>

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## Materials

Name	Company	Catalog Number	Comments
<b>Media components</b>			
LB medium	Roth	X968.3	
Difco Agar, granulated	BD	214510	For preparation of LB agar with LB medium
Difco Heart Infusion Agar	BD	244400	For preparation of HI agar swarming plates
Agarose NEEO, ultra quality	Roth	2267.3	For preparation of microscopy agarose pads
<b>Name</b>			
<b>Company</b>			
<b>Catalog Number</b>			
<b>Comments</b>			
<b>Additives</b>			
L-arabinose	Roth	5118.3	Used to induce pBAD derivatives
2,2'-Bipyridyl	Sigma Aldrich	D216305-25G	For preparation of HI agar swarming plates
Calcium chloride dihydrate	Roth	5239.1	For preparation of HI agar swarming plates
Ampicillin sodium salt	Roth	K029.3	
Chloramphenicol	Roth	3886.3	
PBS buffer	-	-	Standard recipe for Phosphate-buffered saline
D(+) Sucrose	Roth	4621.1	For preparation of electrocompetent cells
Glycerol	Roth	3783.5	For preparation of electrocompetent cells
<b>Name</b>			
<b>Company</b>			
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<b>Comments</b>			
<b>Hardware</b>			
Petri dish 150 mm x 20 mm with cams	Sarstedt	82.1184.500	For preparation of HI agar swarming plates
kelvitron t (B 6420)	Heraeus	-	Used for drying HI agar swarming plates
Gene Pulser Xcell Microbial System	BioRad	1652662	Used for electroporation of plasmid DNA
<b>Name</b>			
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<b>Comments</b>			
<b>Software</b>			
MetaMorph Offline (version 7.7.5.0)	Molecular Devices	-	Used for microscopy image analysis
Excel	Microsoft	-	Used for microscopy data analysis