

Materials List for:

Monitoring Extracellular pH in Cross-Kingdom Biofilms using Confocal Microscopy

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URL: <https://www.jove.com/video/60270>

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Materials

Name	Company	Catalog Number	Comments
Blood agar plates	Statens Serum Institut	677	
Brain heart infusion	Oxoid	CM1135	
Brain heart infusion + 5 % sucrose	BDH laboratory supplies	10274	
Candida albicans	National Collection of Pathogenic Fungi	NCPF 3179	
D-(+)-Glucose	Sigma-Aldrich	G8270	
daime: digital image analysis in microbial ecology	Universität Wien	N/A	Freeware; V2.1; https://dome.csb.univie.ac.at/daime
Dimethyl sulfoxide	Life Technologies	D12345	
Fetal bovine serum	Gibco Life technologies	10270	
GS-6R refrigerated centrifuge	Beckman	N/A	
ImageJ	National Institutes of Health	N/A	Freeware; V1.46r; https://imagej.nih.gov/ij
Java	Oracle	N/A	Freeware necessary to run ImageJ; V8.0; https://java.com/en/download
µ-Plate 96 Well Black	Ibidi	89626	
MyCurveFit	MyAssays Ltd.	N/A	
2-(N-Morpholino)ethanesulfonic acid (MES) buffer	Bioworld	700728	
PHM210 pH-meter	Radiometer Analytical		
Plan-Apochromat 63x oil immersion objective	Zeiss	N/A	NA=1.4
SNARF®-4F 5-(and-6)-Carboxylic Acid	Life Technologies	S23920	
Sterile physiological saline	VWR	6404	
Streptococcus mutans	Deutsche Sammlung von Mikroorganismen und Zellkulturen	DSM 20523	
Vis-spectrophotometer V-3000PC	VWR	N/A	
XL Incubator	PeCON	N/A	
Zeiss LSM 510 META	Zeiss	N/A	