

Materials List for:

The Use of a β -lactamase-based Conductimetric Biosensor Assay to Detect Biomolecular Interactions

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URL: <https://www.jove.com/video/55414>

DOI: [doi:10.3791/55414](https://doi.org/10.3791/55414)

Materials

Name	Company	Catalog Number	Comments
Reagents			
KH ₂ PO ₄	Sigma-Aldrich	V000225	
K ₂ HPO ₄	Sigma-Aldrich	1551128	
NaCl	Sigma-Aldrich	S7653	
Tris-HCl	Roche	10812846001	
EDTA	Sigma-Aldrich	E9884	
KCl	Sigma-Aldrich	P9541	
Na ₂ HPO ₄	Sigma-Aldrich	NIST2186II	
2-mercaptoethanol	Sigma-Aldrich	M6250	
alanine	Sigma-Aldrich	A7627	
HClO ₄	Fluka	34288	1M HClO ₄ solution, distributor : Sigma-Aldrich
casein hydrolysate	Sigma-Aldrich	22090	
benzylpenicillin sodium	Sigma-Aldrich	B0900000	
hen egg white lysozyme	Roche	10837059001	
heptane	Sigma-Aldrich	246654	
methanol	Sigma-Aldrich	322415	
ammonium hydroxide solution	Sigma-Aldrich	380539	28% NH ₃ in H ₂ O, purified by double-distillation (concentrated?)
Laboratory consumables			
6-well plate	Greiner Bio-One	657165	CELLSTAR 6-Well Plate
Equipment			
pH meter	WTW	1AA110	Lab pH meter inoLab pH 7110
vacuum and filtration system	Nalgene	NALG300-4100	Filter holders with receiver, distributor : VWR
potentiometric sensor chips			manufactured by Yunus and colleagues (ref 16)
PGSTAT30 Autolab	Metrohm Autolab		discontinued, successor Autolab PGSTAT302N
digital multimeter, METRAHit 22M	Gossen Metrawatt		discontinued, successor Metrahit Base