

Materials List for:

Colorimetric Analysis of Alkaline Phosphatase Activity in *S. Aureus* Biofilm

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Materials

Name	Company	Catalog Number	Comments
Agar	VWR	9002-18-0	
Eppendorf Centrifuge	Thomas Scientific	5810	
Glucose	VWR	50-99-7	
NaOH pellets	VWR	SS0550-500GR	
Para-nitrophenylphosphate (pNPP)	Sigma	P7998-100ML	Typical concentrations of pNPP liquid substrates, often used in enzyme-linked immunosorbent assays (ELISA), range between 10 to 50 mM. Similar to most ready-to-use pNPP liquid substrates like the one used here, the exact pNPP concentration is not disclosed due to its proprietary nature.
10X PBS, pH7.4. 173 mM NaCl, 2.7 mM KCl, 8 mM Na2HPO4, 2 mM KH2PO4	Sigma	P3288-1VL	
Plate Reader	Biotek	ELx808	
<i>S. aureus</i>	ATCC	ATCC25923	
Tryptic Soy Agar 15g / L TSB	VWR	9002-18-0	
Tryptic Soy Broth: g/L Pancreatic Digest of Casein..... 15.0 Papaic Digest of Soyben Meal.....5.00 Sodium chloride..... 3.00 Dextrose..... 2.50 Dipotassium phosphate.....2.50	VWR	90006-098	
96 well tissue culture plates	BD	6902D09	U shaped bottom