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BABS UNSW iGEM Lab Protocol



Procedure	Name		Antibiotic Stock Concentrations			
	Description		How to prepare antibiotic stock solutions			
Document	Name	Isabelle Capell-Hattam	Date	2/07/15	Version	1
Requirements	Time		~15 Minutes			
	PPE		Gloves, Labcoat			
	Equipment		Scales 15 mL falcon tubes 1.5 mL tubes Syringe Filter to sterilize			
	Materials		Antibiotic powders MilliQ H2O 50% Ethanol			
Step 1	Weigh the antibiotic powders out that are needed for 10 mL of stock concentration solution (see notes)					
	<ul style="list-style-type: none"> ● Ampicillin 1000 mg ● Chloramphenicol: 250 mg ● Kanamycin: 500 mg ● Tetracycline: 100 mg 					
Step 2	Suspend Ampicillin, Kanamycin and/or Tetracycline in 10 mL MilliQ H2O Suspend Chloramphenicol in 10 mL of 50% Ethanol					
Step 3	Invert until fully dissolved					
Step 4	Filter sterilize and aliquot into 1.5 mL tubes					
Notes	Stock concentrations were as suggested by addgene in: Antibiotic Concentrations for Bacterial Selection. Ampicillin: 100 mg/mL Chloramphenicol: 25 mg/mL Kanamycin: 50 mg/mL Tetracycline: 10 mg/mL					
Version History						