BABS UNSW iGEM Lab Protocol

Procedure	Name	Preparation of Agar Plates				
	Description	How to make Agar plates for bacterial growth				
Doccument	Name	Isabelle Capell-Hattam	Date	2/07/15	Version	1
Requirements	Time	~15 Minutes + Microwave and cooling				
	PPE	Gloves, Labcoat				
	Equipment	Microwave Pipettes and tips Sterile petri dishes Biosafety cabinet Parafilm Permanent Marker				
	Materials	Bacteriological growth media based agar (e.g LB agar for *E. Coli,* BG11 for *Synechocystis*) Stock concentrations of antibiotics (that the bacteria have resistance to)				
Step 1	Melt the solid agar in a microwave till liquid and allow to cool until it can be held without burning					
Step 2	In the biosafety cabinet add 1 µL of stock concentration antibiotic for every 1 mL of agar					
Step 3	Pour the agar into sterile petri dishes until ~½ full. For a standard 10 cm dish this will be approximately 20 mL of agar.					
Step 4	Replace the cover on the dishes and allow to set at room temperature					
Step 5	When cool label the plates with the media and antibiotic they contain, seal individual plates in parafilm and place in a 4℃fridge until required for use					
Notes	Make sure the biosafety cabinet is sterile before pouring the plates					
Version History						