BABS UNSW iGEM Lab Protocol

Procedure	Name	SOC Medium				
	Description	Preparation of SOC medium (used in *E. Coli* transformation				
Doccument	Name	Isabelle Capell-Hattam	Date	2/07/15	Version	1
Requirements	Time	30 minutes + autoclave				
	PPE	Gloves, Labcoat				
	Equipment	Scales Autoclave Magnetic Mixer Syringes Filters to sterilize				
	Materials	Anhydrous MgCl2 Glucose Powder Tryptone Yeast Extract NaCl KCl RO H2O				
Preparation of Magnesium Chloride Solution (0.5 M)						
Step 1	Measure 0.476 g of Anhydrous MgCl2 and add RO H2O to a final volume 10 mL					
Step 2	Filter sterilize					
Preparation of Glucose Solution (1 M)						
Step 1	Measure 1.8 g of glucose and add RO H2O to a final volume of 10 mL					
Step 2	Filter sterilize					
Preparation of SOC						
Step 1	Add into 96 mL of RO H2O					

	• 2 g Tryptone • 0.5 g Yeast extract • 58.5 mg NaCl • 18.6 mg KCl
Step 2	Mix till dissolved with a magnetic mixer
Step 3	Autoclave
Step 4	Aseptically add 2 mL of 0.5 M Magnesium Chloride Solution and 2 mL of 1 M Glucose solution to the 96 mL of autoclaved solution
Notes	
Version History	