BABS UNSW iGEM Lab Protocol

Procedure	Name	Preparation of Streptococcal Regeneration Media				
	Description	Media used for cell recuperation after lactococcus transformation by electroporation				
Doccument	Name	Mackenzie Labine-Romain	Date	7/07/15	Version	1
Requirements	Time					
	PPE	Gloves, Labcoat				
	Equipment	Scales Magnetic Mixer Autoclave 1 L schott bottle				
	Materials	10 grams Tryptone 5 grams Yeast Extract 200 grams Sucrose 10 grams Glucose 25 grams Gelatin 15 grams Agar 2.5 mM $MgCl_2$ 2.5 mM $CaCl_2$ (pH 6.8) 1g Antibiotic required for selection				
Step 1	Weigh out the components (except sucrose and glucose) and add to the 1 L bottle. Make up to with 650mL with RO H_2O.					
Step 2	Mix with the magnetic mixer until fully dissolved,					
Step 3	Make glucose solution by dissolving 10 grams with Milli-Q water up to 50mL					
Step 4	Make sucrose solution by dissolving 200 grams with Milli-Q water up to 300mL.					
Step 5	Seal all bottles and autoclave.					
Step 6	After autoclaving this agar can either be cooled for future use or poured direct. Before using, add glucose and sucrose solutions and antibiotic.					

Notes	*not using this probably Adapted from: Holo, H., & Nes, I. F. (1989). High-frequency transformation, by electroporation, of Lactococcus lactis subsp. cremoris grown with glycine in osmotically stabilized media. *Applied and Environmental Microbiology*, *55*(12), 3119-3123.
Version History	