BABS UNSW iGEM Lab Protocol

Procedure	Name	SDS-PAGE Protein Gel				
	Description	SDS-PAGE Gel for Protein expression				
Doccument	Name	Isabelle Capell-Hattam	Date	18/09/15	Version	1
Requirements	Time	2 hours				
	PPE	Gloves, Labcoat				
	Equipment	Centrifuge Pipettes Vortex Heat block SDS-Page Gel Running Equipment				
	Materials	Cell culture 2x reducing buffer (50:50 ratio of 4x buffer and H20 + 10% BME) Protein fragment ladder Methanol Acetic Acid H2O Code Blue				
Step 1	Pellet 1ml of culture and remove supernatant					
Step 2	Resuspend supernatant in 200 µl of 2x reducing buffer					
Step 3	Vortex for 30 seconds					
Step 4	Boil at 95*C for 5 minutes					
Step 5	Centrifuge for 15 minutes at top speed					
Step 6	Set-up SDS page gel according to instructions					
Step 7	Load 20 µl of supernatant into each well, and 10 µl of ladder					
Step 8	Run at 150 V for 50 minutes					
Step 9	Fix the proteins in 50% Methanol and 10% acetic acid for 3 minutes					
Step 10	Wash until the yellow band fades					
Step 11	Stain overnight with Code Blue					

Step 12	Destain with H2O and visualise
Notes	Adapted from the Marquis lab protocol
Version History	