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BABS UNSW iGEM Lab Protocol



Procedure	Name		Gel Electrophoresis			
	Description		How to prepare and run gels for screening DNA parts			
Document	Name	Mackenzie Labine-Romain	Date	6/07/15	Version	1
Requirements	Time		~15 Minutes Prep + 15 Minutes Running Time			
	PPE		Gloves, Labcoat			
	Equipment		Large Gel tank (Liberty 120 High Speed Gel System)			
	Materials		65mL 1.5% agarose in TE buffer 245mL 1xTE buffer 50mL 1xGelRed 10µL DNA sample (up to 26 samples/run using small comb)			
Step 1	Pour 65mL of molten agarose (in TE buffer) into large gel tank and let set for 20-30 minutes.					
Step 2	Add 65mL of TE buffer to positive reservoir, and 180mL to negative reservoir.					
Step 3	Add 2µl loading buffer to each 10µl DNA sample and load into lanes.					
Step 4	Run the gel for 15 minutes at 220V.					
Step 5	Post-stain by pouring on GelRed until gel surface is covered.					
Step 6	Image using GelDoc					
Notes	10µL may be too much					
Version History						