



University of Melbourne iGEM 2014 Lab Procedure

Procedure	Name:	Autoclaving Materials		
	Version:	1		
	Description:	How to autoclave materials		
	Trigger:	Use this procedure when there are many items that need to be autoclaved		
Last updated	Name:	Elizabeth Brookes	Date:	16.07.14
You will need	Time:	Approximately an hour and a half		
	PPE:	Gloves Lab coat		
	Equipment:	Autoclave Note: There is a small autoclave in the Cheng lab that can take a couple of bottles and a larger autoclave upstairs (ask for directions if unsure). It is important that you book the autoclave in the book next to the machine.		
	Materials:	Autoclave tape Foil		
For wet materials (i.e. preparation of media)				
Step 1	For bottles with lids to be autoclaved: Screw the lid on tight and then unscrew the lid half a turn so that the lid is loose enough to let air in and out of the bottle. Put a strip of autoclave tape across the lid. For flasks or other containers without lids: Cover the top with foil and secure it with a strip of autoclave tape.			
Step 2	Place the materials to be autoclaved into the autoclave tray with an autoclave strip.			
Step 3	Follow the prompts on the autoclave machine and select the 'Wet 20' option. <i>Ready to start work? > Yes > Wet 20 > No graphing > No Labels > Start</i>			
Step 4	Once the autoclave has completed the cycle check the autoclave strip to see if it has changed colour. If it has then the autoclave procedure was successful. If not, you will need to run it again.			
For dry materials (i.e. empty flasks)				
Step 1	For bottles with lids to be autoclaved: Screw the lid on tight and then unscrew the lid half a turn so that the lid is loose enough to let air in and out of the bottle. Put a strip of autoclave tape across the lid. For flasks or other containers without lids: Cover the top with foil and secure it with a strip of autoclave tape.			
Step 2	Place the materials to be autoclaved into the autoclave tray with an autoclave strip.			
Step 3	Follow the prompts on the autoclave machine and select the 'Dry 20/25' option. <i>Ready to start work? > Yes > Dry 20/25 > No graphing > No Labels > Start</i>			
Step 4	Once the autoclave has completed the cycle check the autoclave strip to see if it has changed colour. If it has then the autoclave procedure was successful. If not, you will need to run it again.			
Version history	<i>Describe the changes made in each new version of the protocol here.</i>			