



University of Melbourne iGEM 2014 Lab Procedure

Procedure	Name:	Use of the pH Meter	
	Version:	1	
	Description:	The procedure to be undertaken when using the pH meter.	
	Trigger:	Use this procedure when a specific pH is required for a solution.	
Last updated	Name:	Elizabeth Brookes	Date: 25.07.14
You will need	Time:	10 minutes	
	PPE:	Gloves Lab coat	
	Equipment:	Orion pH Meter	
	Materials:	Milli-Q Water NaOH (1M and 5M) HCl (1M and 6M) pH Buffer	
Step 1	Turn the pH meter on using the power button.		
Step 2	Rinse the electrode using Milli-Q water.		
Step 3	Insert the electrode into PH buffer (4, 7 or 10) and press 2 nd Calibrate. Wait until the pH meter beeps and then adjust the pH to 4, 7 or 10.		
Step 4	Rinse the electrode with Milli-Q water again.		
Step 5	Insert the electrode into a different pH buffer and wait until the pH meter beeps. Adjust the pH.		
Step 6	Rinse the electrode in Milli-Q water.		
Step 7	Place the electrode in the solution that needs to be measured and adjust the pH by adding HCl or NaOH.		
Version history	<i>Describe the changes made in each new version of the protocol here.</i>		