



**University of Southampton iGEM 2009 Protocol:**  
Preparation of LB Agar Plates (Amp<sup>r</sup>):

LB agar plates (Ampicillin Resistant) Protocol:

1. Prepare a 20mg/mL Ampicillin solution by dissolving 300 mg ampicillin in 15 mL nuclease free water and vortex thoroughly.
2. Dissolve 18.5g LB Agar in 500ml nuclease free water and autoclave the solution using a Media programme.
3. Allow the solution to cool, then add 1.25ml ampicillin solution and swirl.
4. Light a Bunsen in the working area then pour the agar mixture into the plates until they are 1/3 full.
5. Allow the plates to cool until solidified and store upside down at 4 °C.