

## **POTASSIUM PHOSPHATE BUFFER (for NGM plates)**

- Make the following two solutions and then mix them to obtain the correct pH (6.0):
  1. **1M KH<sub>2</sub>PO<sub>4</sub> (MONObasic)**- MW - 136. Add 136g to 750 ml water. After it has gone into solution, bring it to a final volume of 1 liter.
  2. **1M K<sub>2</sub>HPO<sub>4</sub> (Dibasic)** - MW 174. Add 174g to 750 ml water. After it has gone into solution, bring it to a final volume of 1 liter.
  
- Add the 1M Dibasic solution to the 1M monobasic solution to bring the pH up from ~4 to 6.0. This should take ~150ml of dibasic solution for 500 ml of monobasic.
- Vacuum filter the solution and store it at room temperature.