

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

1) Make the following two solutions separately, then mix to obtain correct pH (6.0).

A. 250 ml 1M  $\text{KH}_2\text{PO}_4$

Add  $\text{dH}_2\text{O}$  to 34.0 g  $\text{KH}_2\text{PO}_4$  until final volume (250 ml) is obtained

B. 200 ml 1M  $\text{K}_2\text{HPO}_4 \cdot \text{H}_2\text{O}$

Add  $\text{dH}_2\text{O}$  to 45.6 g  $\text{K}_2\text{HPO}_4$

\*Make sure the salt in the solutions is completely dissolved.

2) Add  $\text{K}_2\text{HPO}_4$  solution to  $\text{KH}_2\text{PO}_4$  solution to bring the pH up from 4.0 to 6.0 (will take about 100 ml of  $\text{K}_2\text{HPO}_4$ ).

3) Divide phosphate buffer into aliquots of 50-100 ml.

4) Autoclave 15 min. liquid cycle

5) Store at room temperature.