

## Gutnick Minimal agarose 1 NH<sub>4</sub>/Dex

- To make 2x salts begin with approx. 300 mLs MilliQ H<sub>2</sub>O
  - Weigh out and add ingredients with constant stirring:

▪ KH <sub>2</sub> PO <sub>4</sub>	4.7g
▪ K <sub>2</sub> HPO <sub>4</sub>	13.5g
▪ K <sub>2</sub> SO <sub>4</sub>	1g
▪ MgSO <sub>4</sub> ·7H <sub>2</sub> O	0.1g
▪ NH <sub>4</sub> Cl (10mM)	10mL of 1M stock
- Bring volume up to 500mL
- Autoclave
- Allow to cool in 50deg. water bath
- Add glucose:
  - 10ml of 40% glucose
- Melt 500mL 2x pure agarose (see protocol) in microwave and cool in 50deg. water bath

Combine 2x salts from above with 2x agarose

- \* Mix and pour plates *or* divide into 2 - 500ml aliquots in 1L bottles for future use

*\*Adapted from Gutnick, D, et al. J. of Bacteriology V. 100 (1969) pp 215-219.*