

### **1.5% AGAR (for bacteria plates)**

1) Make solution of SOB using the following recipe:

Per 1 Liter:

20 g Bacto-Tryptone  
5 g Bacto-Yeast Extract  
.58 g NaCl, anhydrous (10mM final)  
.1875 g KCl, anhydrous (2.5 mM final)  
2 g MgCl<sub>2</sub>•6H<sub>2</sub>O (10mM final)  
2.5 g MgSO<sub>4</sub>•7H<sub>2</sub>O (10mM final)  
980 ml ddH<sub>2</sub>O

- 2) Add enough Bacto-Agar to result in a 1.5% agar solution (e.g., 15 g/1000ml).
- 3) Autoclave.
- 4) Let cool until warm/hot, but not scalding (about 50°C, able to rest against skin).
- 5) Add 50 ug/ml Kanamycin.
- 6) Pour plates completely covering the bottom.
- 7) Store at 4°C.