

## **Media for *E. coli* Isolation**

### **MacConkey Agar**

50g MacConkey Agar powder in 1 liter of distilled water.

Heat with stirring to boiling. Autoclave. Cool agar in 55° water bath. Pour in plates.

### **LB Agar**

40g LB Agar powder in 1 liter of distilled water.

Heat with stirring to boiling. Autoclave. Cool agar in 55° water bath. Pour in plates.

### **EMB Agar**

37.5g EMB Agar powder in 1 liter of distilled water.

Heat with stirring to boiling. Autoclave. Cool agar in 55° water bath. Pour in plates.

### **Citrate Agar**

24.2g Citrate Agar powder in 1 liter of distilled water.

Heat with stirring to boiling. Autoclave. Cool agar in 55° water bath. Pour in plates.

### **Tryptone Broth**

10g tryptone broth powder in 1 liter of distilled water.

Stir media until all powder is dissolved. Pour broth into Dispensette and aliquot 3-4ml of broth into clean test tubes. Cap tubes and autoclave 15 minutes.

### **Kovak's Reagent**

50g p-Dimethylamino benzaldehyde  
750 ml butyl alcohol (preferred) or isoamyl alcohol

Mix and dissolve.

Add 250ml HCl. There may be a small amount of p- Dimethylamino benzaldehyde not dissolved, but that's OK.

### **Freezing Media**

Mix 80ml LB broth with 20ml of 80% glycerol (80ml glycerol + 20ml DI water). Autoclave.