1. **Benedict's reagent**: Dissolve sodium citrate (173 g) and anhydrous sodium carbonate (100 g) in 66 ml distilled water and 17.3 g crystalline copper sulphate in 100 ml distilled water. Add the latter to the former with constant stirring. Filter the mixture if not clear and make up the volume up to 1000 ml with distilled water.

2. **Glucose phosphate peptone broth**
   - Glucose: 5.0 g
   - Peptone: 5.0 g
   - K$_2$HPO$_4$: 0.5 g
   - Distilled water: 1000 ml, (pH 6.8 - 7.0)

3. **Barritt's reagent**
   - 6% alpha-naphthol: 0.5 ml
   - 16% KOH solution: 0.5 ml

4. **Nitrate broth**
   - Peptone: 5.0 g
   - Yeast extract: 3.0 g
   - KNO$_3$: 1.0 g
   - Distilled water: 1000 ml, (pH 6.8)

5. **Tryptone broth**
   - Tryptone: 10.0 g
   - Distilled water: 1000 ml

6. **Kovac's reagent**
   - $p$-dimethylamine-benzaldehyde: 5.0 g
   - $n$-amyl alcohol: 75.0 ml
   - Conc. hydrochloric acid: 25.0 ml

7. **Gelatin medium**
   - Yeast extract: 3.0 g
   - Peptone: 5.0 g
   - Gelatin: 20.0 g
   - Distilled water: 1000 ml, (pH 6.8)