

Media Recipes

YP lactate

10 g yeast extract
20 g bacto peptone
37 g lactic acid 85%
~30 ml NaOH (10M) until pH 5.5
8 ml 0.5% adenine in 0.05N HCl if needed
1000 ml total

Add 37 g of 85% lactic acid to 0.8-0.9 liters of distilled water and add 10 M NaOH (about 30 mls) until the pH is about 5.5. Alternatively, dissolve 12 g of NaOH pellets in 0.9 liters and adjust the pH to 5.5 with lactic acid. Dissolve 10 g yeast extract and 20 g peptone and bring volume up to 1 liter. Add 8 mls of adenine solution (0.5% adenine in 0.05 M HCl) if desired. Autoclave 20-30 mins.

20% Galactose

Dissolve galactose at a concentration of 20% (wt/vol) in dH₂O at room temperature while stirring. Galactose may take an hour or longer to dissolve. Filter sterilize; do not autoclave. Galactose stock contains less than 0.01% glucose (Sigma).

YEP-Gal plates

10 g yeast extract
20 g bacto peptone
2g agar
8 ml 0.5% adenine in 0.05N HCl if needed
850 ml total

Autoclave medium. Allow to cool but not solidify, and add 20 g galactose dissolved in 150 mls water (filter sterilized).

YPD plates

10 g Yeast extract
20 g bacto peptone
20 g dextrose
25 g agar
1000 ml distilled dH₂O
8 ml 0.5% adenine in 0.05N HCl
5.5 ml HCl (1 N)