

## YT-Medium – Powder (2X)

*Powder to set up a 2-fold concentrated liquid YT-Medium*

**Product No. A0981**

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### Description

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**Composition:** Sodium chloride (A1149) ..... 5 g/L  
Tryptone (A1553) ..... 16 g/L  
Yeast extract (A1552) ..... 10 g/L

**Storage:** Room temperature

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### Comment

The packaging sizes differ in terms of the amount: you can choose between packages in liter (L) or gram (g) and kilogram (kg), respectively. Liter packs dissolved in the corresponding volume will give the correct concentration. When using the gram and kilogram packs, aliquots of the powder have to be dissolved. To prepare one liter of YT-Medium, 31 g of powder are dissolved.

Directions for the preparation of 5 liter (2X) liquid medium: Dissolve the content of the whole 5 L pack in approx. 4500 ml water; adjust the pH with 5 N NaOH to 7.0, and fill up to 5000 ml, aliquot and autoclave. Storage: RT (after autoclaving). Antibiotics and nutritional supplements should be added only after the solution has cooled to 50°C or below, since many of them are heat-sensitive.

### Application and Literature

(1) Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning: A Laboratory Manual*, 2nd Edition. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York.