



YPD Broth

Code	Description	Size
J903-100G	YPD Broth	100 grams
J903-500G	YPD Broth	500 grams

General Information

VWR Life Science AMRESCO's YPD Broth is a nutrient-rich medium for the propagation and cultivation of *Saccharomyces cerevisiae* and other yeast organisms under non-selective conditions. It contains peptone, which serves as a primary source of nitrogen, and yeast extract, which provides additional vitamins, minerals and nucleotide precursors for enhanced growth. Glucose is present as the preferred carbon source that yeast cells need to proliferate in culture. YPD Broth is supplied as a premixed powder, which when dissolved at 50 g per liter of water will yield the formulation in the table below.

Formulation	Grams/L
Peptone	20
Yeast Extract	10
Glucose	20
Final pH	6.5 ± 0.5 at 25°C

Storage/Stability

Store YPD Broth powder at room temperature (18 – 26°C) in a dry area. Prepared media should be stored cold (2 – 8°C).

Product Use Limitations

For research use only. Not for therapeutic or diagnostic use.

Protocol/Procedure

YPD Broth Preparation

1. Suspend 50 grams of YPD Broth powder in 1 L of purified water.
2. Allow the powder to dissolve with gentle stirring and heating, if necessary.
3. Autoclave for 15 minutes at 15 psi at 121°C. **Note:** *Alternatively, medium may be sterile-filtered.*
4. Allow the solution to cool to 50°C or below before adding antibiotics or supplemental components.

Frequently Asked Questions

Why is the color of the YPD Broth darker than our lab-prepared batches?

- Glucose is included in the YPD Broth powder, and as such, it is autoclaved during the medium sterilization. This results in a deeper color as the glucose is caramelized. Many lab-based protocols for YPD Broth preparation call for sterile filtration of a glucose solution, which is added after autoclaving the base medium or for a separately autoclaved glucose solution to be added.

Will cultures grow well in YPD Broth that contains autoclaved glucose?

- Cultures will grow well, but the growth may not be quite as fast as for medium containing filter-sterilized glucose.

Can the YPD Broth powder be used to prepare YPD agar?

- To prepare YPD agar, suspend 50 grams of YPD Broth powder and 20 grams of agar in 1 L or purified water.



For Technical Support

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