

Yeast Extract Solutions

Sterile-filtered
Endotoxin tested
Insect cell culture tested

Catalog Number **LS 107-01**
LS 107-02

Storage Temperature 2~8°C

Product Description

Yeast Extract is the water-soluble portion of autolyzed yeast. The autolysis is carefully controlled to preserve naturally occurring B-complex vitamins. Yeast Extract is prepared and standardized for bacteriological use and cell cultures, and is an excellent stimulator of bacterial growth. Yeast Extract is generally employed in the concentration of 0.3% - 0.5%. Yeast Extract is typically prepared by growing baker's yeast, *Saccharomyces* spp., in a carbohydrate-rich plant medium. Yeast Extract has been successful in culture media for bacterial studies in milk and other dairy products. Several media containing Yeast Extract have been recommended for cell culture applications.

LS 107-01 contains 166.66 g/L yeast extract in cell/tissue culture grade water (**LS 016-01**).

LS 107-02 contains 200.0 g/L yeast extract in cell/tissue culture grade water (**LS 016-01**).

Storage/Stability

The concentrated Yeast Extract solution should be stored at 2~8°C. Deterioration of the solution may be recognized by (1) precipitate or particulate matter throughout the solution, (2) cloudy appearance, (3) color change, and/or (4) pH change. Product label bears expiration date.

Precautions

For *In Vitro* Use Only

Product Profile	
Appearance	Dark brown clear solution
pH at RT	5.0 ~ 7.0
Endotoxin	≤ 1.0 EU/ml
Sterility	Sterilized by 0.2 μm filtration system. Sterility tests are performed in accordance with protocols described in USP.

References

- Eaton, A. D., L. S. Clesceri, and A. E. Greenberg (eds.). Standard methods for the examination of water and wastewater, 19th ed. American Public Health Association, Washington, D.C.
- Vanderzant, C., and D. F. Splittstoesser (eds.). 1992. Compendium of methods for the microbiological examination of food, 3rd ed. American Public Health Association, Washington, D.C.
- Marshall, R.T. (ed.). Standard methods for the examination of dairy products, 16th ed. American Public Health Association, Washington, D. C.
- United States Pharmacopeia Convention, Inc. 2001. The United States Pharmacopeia 25, National Formulary 2000-2001, p. 2337, United States Pharmacopeia Convention, Inc. Rockville, MD.
- Chan, L., P. F. Greenfield, and S. Reid. 1998. Optimizing fed-batch production of recombinant proteins using the baculovirus expression vector system. *Biotechnology BioEngineering*, 59: 178-188, John Wiley & Sons, Inc.
- Ikonomou, Bastin, Schneider, Agathose. 2001. Design of efficient medium for insect cell growth and recombinant protein production, in *Vitro Cell Dev. Biol. Anim.*, 37:549-559.