

Tryptone Broth, Powder

Code	Description	Size
J870-100G	Tryptone Broth, Powder	100 grams
J870-500G	Tryptone Broth, Powder	500 grams

General Information

Tryptone Broth, also known as T-broth, is a moderately rich, general-purpose medium that is used for growing *Escherichia coli*. The broth contains tryptone to provide the basic nutrients and growth factors needed to support bacterial growth. Sodium chloride is added to help maintain the proper isotonic environment during the growth phase.

Formulation	grams/L
Tryptone	10
Sodium Chloride	5
Final pH	7.0 (± 0.2 @ 25°C)

Reference

Studier, F. W. Virology. 1969, Nov;39(3):562-74.

Storage/Stability

Store Tryptone Broth, Powder at room temperature (18 – 26°C). Store prepared medium cold (2 – 8°C).

Product Use Limitations

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

Protocol/Procedure

Tryptone Broth preparation

1. Suspend 15 g of Tryptone 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 supplemental components and antibiotic.

For Technical Support

Toll Free: 1-800-610-2789 (USA & Canada)

Fax: (440) 349-0235

Email: techinquiry@amresco-inc.com

AMRESKO, LLC

A VWR Company

Corporate Headquarters

28600 Fountain Parkway

Solon, Ohio USA 44139-4300

Tel: 440/349-1199

Fax: 440/349-1182

www.amresco-inc.com

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