



Tryptose Broth

Tryptose Broth is used for the cultivation of *Brucella* spp. and other fastidious microorganisms in a laboratory setting. Tryptose Broth is not intended for use in the diagnosis of disease or other conditions in humans.

Tryptose Broth is recommended for the cultivation and isolation of pathogenic and saprophytic bacteria. Historically, it was considered necessary to include meat extract or infusion as a nutritional supplement in culture media. However, tryptose was developed while studying growth requirements of *Brucella* spp. In these studies Huddleson found Tryptose media to be equal or superior to meat infusion media, providing uniformity for the cultivation and differentiation of fastidious organisms.

Tryptose Broth can be used a complete basal medium or supplemented with enrichment. Huddleson used a broth containing 2% Tryptose as an enrichment medium in the isolation of *Brucella* spp. from samples. McCullough et al. reported that addition of thiamine, dextrose, and iron salts increased growth of *Brucella suis*. Addition of 0.1% agar to Tryptose Broth can increase growth of aerobes and anaerobes in liquid media. Tryptose media are recommended in standard methods for food testing.

Formula	Liter
Tryptose	20.0 g/L
Sodium Chloride	5.0 g/L
Dextrose	1.0 g/L

Final pH: 7.2 ± 0.2 at 25°C

Formula may be adjusted and/or supplemented as required to meet performance specifications.

Preparation

1. Dissolve 26 g of the medium in one liter of purified water.
2. Mix thoroughly.
3. Autoclave at 121°C for 15 minutes.

Product was previously known as Acumedia Product: 7367 Tryptose Broth

Order Details

Product #	Product Description
NCM0087A	Tryptose Broth, 500 g
NCM0087B	Tryptose Broth, 5 kg
NCM0087C	Tryptose Broth, 10 kg
NCM0087D	Tryptose Broth, 25 kg (European only size)
NCM0087E	Tryptose Broth, 50 kg (US only size)

Reference Material

7367 - Tryptose Broth, Product Information Sheet [\[English\]](#) [\[Portuguese\]](#)

7367 - Tryptose Broth, Safety Data Sheet [\[Danish\]](#) [\[Dutch\]](#) [\[English\]](#) [\[EU English\]](#) [\[Finnish\]](#) [\[French\]](#) [\[German\]](#) [\[Italian\]](#) [\[Spanish, Mexico\]](#) [\[Swedish\]](#)

For additional information or questions about product SDS documents, please contact Neogen at SDS@neogen.com.

Please check with your local representative for availability of these products within your region.

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