Tryptose (NCM0146)

Intended Use
Tryptose is an enzymatic digest of protein for use in preparing microbiological culture media in a laboratory setting. Tryptose is not intended for use in the diagnosis of disease or other conditions in humans.

Description
Tryptose was developed while studying growth requirements of *Brucella* spp. Huddleson found Tryptose media to be equal or superior to meat infusion media, providing uniformity for the cultivation and differentiation of fastidious organisms including *Neisseria gonorrhoeae*, *Streptococcus milleri* and *Brucella* spp.. Casman reported that a medium consisting of 2% Tryptose, along with other media ingredients, equaled fresh beef infusion base with respect to organism growth.

Tryptose is recommended in broth and agar formulations, and when used in media containing blood to permit hemolytic reactions. Tryptose is used in the preparation of Tryptose Broth (Product Code No. NCM0087). Tryptose media are recommended in standard methods for food testing.

Precaution
Refer to SDS

Test Procedure
Refer to appropriate references for a complete discussion on the use of Tryptose.

Typical Specifications

PHYSICAL/CHEMISTRY	**EXPECTED RESULTS**
Appearance of Powder:	Light beige, homogenous, free-flowing
pH (2% solution):	6.8-7.2
MICROBIOLOGY:	
Microbial Count:	< 1000 cfu/g
2% Peptone Agar or Broth:	
E. coli ATCC® 25922	Satisfactory recovery of 10-100 cfu
S. aureus ATCC® 25923	Satisfactory recovery of 10-100 cfu
M. echinospora ATCC® 27932	4Q Streak; orange colony color within four days

Results
Refer to appropriate references for results.

Expiration
Refer to expiration date stamped on the container. The dehydrated medium should be discarded if not free flowing, or if appearance has changed from the original color. Expiry applies to medium in its intact container when stored as directed.

Effective Date: 4/15/2019
Revision: 0

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Limitation of the Procedure

Due to nutritional variation, some strains may be encountered that grow poorly or fail to grow on this medium.

Storage

Store dehydrated culture media at 2-30°C away from direct sunlight. Once opened and recapped, place container in a low humidity environment at the same storage temperature. Protect from moisture and light by keeping container tightly closed.

References

1. Huddleson, I. F. 1943. Brucellosis in man and animals. Rev. Ed. The Commonwealth Fund, New York.
2. Casman, E. P. 1942. A dehydrated medium to supplement meat infusion as a base for blood agar. J. Bacteriol. 43:33.
3. Casman, E. P. 1947. A noninfusion blood agar base for neisseriae, pneumococci, and streptococci. Am. J. Clin. Pathol. 17:281- 289.
4. www.fda.gov/Food/ScienceResearch/LaboratoryMethods/BacteriologicalAnalyticalmanualBAM/default.htm.

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