

# TPGY (Trypticase Peptone Glucose Yeast Extract) Broth



Medium used for the cultivation and enumeration of a variety of anaerobic bacteria.

\*Equally use with MFDS (MB-T1395K).

## • CONTENTS (Liter)

Trypticase	50.0 g
Peptone	5.0 g
Yeast Extract	20.0 g
Dextrose	4.0 g
Sodium Thioglycollate	1.0 g
Final pH = 7.0 ± 0.2 at 25°C	

## • PROCEDURE

Suspend 80.0 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 10 minutes. Cool to 45 - 50°C in water bath. Mix well. Pour into tubes.

## • INTERPRETATION

TPGY (Trypticase Peptone Glucose Yeast Extract) Broth is a medium used for the cultivation and enumeration of a variety of anaerobic bacteria. Trypticase and peptone provide nitrogen, carbon, amino acids and minerals. Yeast extract provides vitamins. Dextrose is the carbohydrate. Sodium thioglycollate is the reducing agent.

## • TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 26°C for 7 days. Refer appropriate references for recommended test procedure.

## • QUALITY CONTROL FOR USE

### Dehydrated medium

Appearance: free-flowing, homogeneous

Color: beige

### Prepared medium

Appearance: clear

Color: amber

Incubation conditions: 26°C / 7 days

Microorganism	ATCC	Inoculum CFU	Growth
<i>Clostridium sporogenes</i>	19404	50-100	good
<i>Clostridium perfringens</i>	13124	50-100	good

## • STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label. Store prepared medium at 2 - 8°C.

## • REFERENCES

1. Vanderzant C. and Splittstoesser D. F., (Eds.), 1992, Compendium of Methods for the Microbiological Examination of Foods, 3rd Ed., APHA, Washington, D.C.
2. Refer to the MFDS.

## • PACKAGE

Cat. No : MB-T1395 TPGY (Trypticase Peptone Glucose Yeast Extract) Broth	500 G
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## • MICROBIAL CULTURE IMAGES



None

*C.perfringens*  
ATCC 13124

Incubation conditions : 26°C 7 days