

TPGY (Trypticase Peptone Glucose Yeast Extract) Broth Modified

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

- **CONTENTS (Liter)**

Tryptone	50.0 g
Proteose Peptone	5.0 g
Yeast Extract	20.0 g
Glucose	4.0 g
Starch	1.0 g
L-Cysteine HCl	1.0 g
Sodium Bicarbonate	1.4 g
Final pH = 7.0 ± 0.2 at 25°C	

- **PROCEDURE**

Suspend 82.4 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 Modified is a medium used for the cultivation and enumeration of a variety of anaerobic bacteria. Tryptone and proteose peptone provide nitrogen, carbon, amino acids and minerals. Yeast extract provides vitamins. Glucose is the carbohydrate. Starch and sodium bicarbonate detoxify metabolites. L-cysteine HCl is the reducing agent and serves as the growth factor.

- **TECHNIC**

Inoculate the specimen using a sterile needle to the medium. Incubate at 36 ± 1°C for 24 hours under anaerobic condition. 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: 36 ± 1°C for 24 hours / anaerobic condition

Microorganism	ATCC	Growth
<i>Clostridium sporogenes</i>	19404	good
<i>Clostridium perfringens</i>	13124	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.

• PACKAGE

Cat. No : MB-T0823 TPGY (Trypticase Peptone Glucose Yeast Extract) Broth Modified	500 G
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