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TPGY BROTH (TRYPTONE PEPTONE GLUCOSE YEAST EXTRACT BROTH)

Roey Angel[1], Ana Lara-Rodriguez[1], Eva Petrova[1]
[1]Soil and Water Research Infrastructure

1 Works for me This protocol is published without a DOI.

SoWa RI Anaerobic and Molecular Microbiology (public)
Tech. support email: eva.petrova@bc.cas.cz

Ana Lara

ABSTRACT

For the enrichment of Clostridium sp. from soil samples, sufficient for 100 cultivation tubes.

EXTERNAL LINK

http://www.himedialabs.com/TD/M969.pdf

PROTOCOL CITATION

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EXTERNAL LINK

http://www.himedialabs.com/TD/M969.pdf

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23741

GUIDELINES

taken from: http://www.himedialabs.com/TD/M969.pdf

MATERIALS

NAME	CATALOG #	VENDOR
Peptone A FROM MEAT	G213.SIZE.500g	Bio Basic Inc.
Sodium thioglycolate	S0265.SIZE.25g	Bio Basic Inc.
BD Bacto™ Yeast Extract	212750	BD Biosciences
Enzymatic Digest Casein Hydrolysate	AAJ12855Q1	
Dextrose	D9434	Sigma – Aldrich

SAFETY WARNINGS

Use heat reasistant gloves to take media out of the autoclave and to put and take out the media from the water bath.

BEFORE STARTING

1. Make sure that the glass tubes are sterile.
2. Pour media only in the flow box.

Medium preparation

1

1. Dilute in 1000 ml distilled water:

50 g Casein Hydrolysate

5 g Peptic Digest from Animal Tissue (Peptone A)

20 g Yeast Extract

4 g Dextrose

1 g Sodium Thioglycolate

Final pH (at 25°C) 7.0±0.2

Heat if necessary, to dissolve the medium completely.

2 Sterilize by autoclaving at 15 lbs pressure **121 °C** for **00:15:00** .

3 Refrigerate **4 °C** the sterile medium until use.

Before inoculation of media

4

Pour **10 mL** of media in sterile tubes.

5 Heat media in water bath **100 °C** **00:10:00** **OR** alternative do a gass exchange using the gassing station for 3 minutes to each tube **OR** put tubes in to the anaerobic tent for **24:00:00** to **48:00:00** before inoculating.