

1245. OTEB-MEDIUM

OTEB-medium is available from Anaerobe Systems (www.anaerobesystems.com)

The following text was taken from the above page:

ORAL TREPONEME ENRICHMENT BROTH (OTEB)

Products: AS-603 Oral Treponeme Enrichment Broth (OTEB) 10 tubes / pkg

Intended Use

OTEB is an enriched medium for the isolation, cultivation and maintenance of *Treponemes* found as part of the oral flora.

Summary

OTEB is a complex peptone-yeast extract medium containing volatile fatty acids and serum for a source of long chain fatty acids.

Volatile fatty acids and serum are necessary nutrients for recovery of *Treponemes* from the oral flora. Inoculation of the medium can be done using a gassing cannula or inside an anaerobic chamber. This medium is prepared, stored and dispensed under oxygen-free conditions to prevent the formation of oxidized products prior to use.

Formula

Proteose Peptone #2	5.0 g
Heart Infusion Broth	5.0 g
Yeast Extract	5.0 g
Potassium Phosphate, dibasic	2.0 g
Sodium Chloride	5.0 g
Magnesium Sulfate	0.1 g
Acetic Acid	1.6 ml
Propionic Acid	0.6 ml
N-Butyric Acid	0.4 ml
N-Valeric Acid	0.1 ml
Isovaleric Acid	0.1 ml
Isobutyric Acid	0.1 ml
2-Methylbutyric Acid	0.1 ml
Vitamin K1 (1% soln)	0.1 ml
L-Cysteine	0.5 g
Calf Serum, inactivated	100.0 ml
Sugar Stock Soln w/ TPP	100.0 ml
Distilled Water	800.0 ml

Sugar Stock Solution

Glucose 8.0 g

Fructose	8.0 g
Sucrose	8.0 g
Maltose	8.0 g
Maltose	8.0 g
Ribose	8.0 g
Xylose	8.0 g
Pectin	8.0 g
Soluble Starch	8.0 g
Sodium Pyruvate	8.0 g
Thiamine Pyrophosphate	750.0 µg
Distilled Water	1000.0 ml

Final pH 7.0 +/- 0.2 at 25 degrees C.

Final volume 7.0 ml +/- 0.7.