

1245: OTEB-MEDIUM

This recipe contains strain-specific modifications for *Treponema phagedenis* DSM 18690 *

Final pH: 6.8 - 7.2

Final volume: 1000 ml

Proteose peptone no. 2	5.00	g
Heart Infusion Broth	5.00	g
Yeast extract	5.00	g
Potassium Phosphate, dibasic	2.00	g
Sodium Chloride	5.00	g
Magnesium sulfate	0.10	g
Acetic acid	1.60	ml
Propionic acid	0.60	ml
n-Butyric acid	0.40	ml
n-Valeric acid	0.10	ml
Isovaleric acid	0.10	ml
Isobutyric acid	0.10	ml
2-Methylbutyric acid	0.10	ml
Vitamin K ₁ (1% soln)	0.10	ml
L-Cysteine	0.50	g
Fetal bovine serum, inactivated	100.00	ml
Sugar Stock Solution	100.00	ml
Fetal bovine serum	10.00	%
Distilled water	800.00	ml

1. OTEB-medium is available from Anaerobe Systems (<http://www.anaerobesystems.com>)
2. 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
3. Intended Use: OTEB is an enriched medium for the isolation, cultivation and maintenance of Treponemes found as part of the oral flora.
4. 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.
5. Final pH 7.0 +/- 0.2 at 25 degrees C.
6. Final volume 7.0 ml +/- 0.7.

* plus 10 % FBS



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Sugar Stock Solution

Glucose	8.00	g
Fructose	8.00	g
Sucrose	8.00	g
Maltose	8.00	g
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Ribose	8.00	g
Xylose	8.00	g
Pectin	8.00	g
Starch (soluble)	8.00	g
Sodium pyruvate	8.00	g
Thiamine pyrophosphate	750.00	µg
Distilled water	1000.00	ml