

Treponema denticola, Strain US-Trep

Catalog No. HM-573

Product Description: *Treponema denticola* (*T. denticola*), strain US-Trep was isolated from a deep periodontal pocket in an adult human mouth in the United States.

Lot¹⁻³: 62782830

Manufacturing Date: 14AUG2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ⁴ Motility (wet mount)	Spirochetes Report results Motile	Spirochetes No growth on agar ⁵ Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 840 base pairs)	≥ 99% identical to GenBank: AGEB01000005 (<i>T. denticola</i> , strain US-Trep)	≥ 99% identical to GenBank: AGEB01000005 (<i>T. denticola</i> , strain US-Trep)
Purity (post-freeze) Anaerobic growth ⁶ Aerobic growth ⁷	Growth consistent with <i>T. denticola</i> No growth	Growth consistent with <i>T. denticola</i> No growth
Viability (post-freeze)^{3,8}	Growth	Growth

¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²*T. denticola*, strain US-Trep (also referred to as F0459) was deposited by Jacques Izard, Assistant Member of the Staff, Department of Molecular Genetics, The Forsyth Institute, Boston, Massachusetts, USA. The deposited material was inoculated into Peptone-Yeast medium with rabbit serum and cocarboxylase and an aliquot was inoculated into tryptone-yeast extract-gelatin-volatile fatty acids-serum (TYGVS) medium which was incubated for 4 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™ R681001). The material from the initial growth was passaged once in TYGVS medium for 3 days at 37°C in an anaerobic atmosphere to produce this lot.

³Growth on agar is not recommended for *T. denticola*, strain H-22 and may not be reproducible.

⁴7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

⁵Incubation times longer than 7 days may result in punctiform or discrete, circular, gray colonies.

⁶Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an anaerobic atmosphere.

⁷Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5%CO₂.

⁸7 days at 37°C in an anaerobic atmosphere in TYGVS medium

Date: 28 OCT 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

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