

Treponema denticola, Strain H1-T

Catalog No. HM-570

Product Description: *Treponema denticola* (*T. denticola*), strain H1-T was isolated from a deep periodontal pocket in an adult human mouth in the United States.

Lot¹⁻³: 62782832

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 Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 820 base pairs)	≥ 99% identical to GenBank: AGDW01000001 (<i>T. denticola</i> , strain H1-T)	≥ 99% identical to GenBank: AGDW01000001 (<i>T. denticola</i> , strain H1-T)
Purity (post-freeze) Anaerobic growth ^{3,5} Aerobic growth ⁶	Growth consistent with <i>T. denticola</i> No growth	Growth consistent with <i>T. denticola</i> No growth
Viability (post-freeze)^{3,7}	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 H1-T (also referred to as F0456) 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 tryptone-yeast extract-gelatin-volatile fatty acids-serum (TYGVS) medium and incubated for 5 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 H1-T and may not be reproducible.

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

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

⁶Purity of this lot was assessed for 5 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5% CO₂.

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

Date: 03 OCT 2014

Signature:



Title:

Technical Manager, BEI Authentication or designee

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