

***Talaromyces marneffeii*, Strain 20-091**

Catalog No. NR-60073

Product Description:

Talaromyces marneffeii (*T. marneffeii*), strain 20-091 (also referred to as strain 11CN-20-091) was isolated in 2000 from a patient in a clinical trial in Northern Vietnam. NR-60073 was produced by inoculation of the deposited material, diluted with 1 mL sterile, deionized water, onto Potato Dextrose agar kolles, which was grown for 7 days at 37°C in an aerobic atmosphere. The agar growth was harvested with 20% glycerol to produce this lot.

Lot: 70075620

Manufacturing Date: 06JUN2025

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 3 days at 37°C in an aerobic atmosphere on Potato Dextrose agar Colony morphology 3 days at 37°C in an aerobic atmosphere on Potato Dextrose agar	Report results Report results	Ellipsoidal arthroconidia; irregularly branched hyphae observed (Figure 1) Sulcate, small, matte and cream-to-light tan (Figure 2)
Genotypic Analysis Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 26S rRNA (540 base pairs) Sequencing of 28S rRNA gene (~ 590 base pairs)	≥ 99% sequence identity to <i>T. marneffeii</i> , strain 20-091 (GenBank: CP045655.1) ≥ 99% sequence identity to <i>T. marneffeii</i> , strain 20-091 (GenBank: CP045655.1)	100% sequence identity to <i>T. marneffeii</i> , strain 20-091 (GenBank: CP045655.1) 100% sequence identity to <i>T. marneffeii</i> , strain 20-091 (GenBank: CP045655.1)
Purity Nutrient broth with 0.1% Yeast Extract at 25°C 3 days in an aerobic atmosphere Nutrient broth with 0.1% Yeast Extract at 37°C 3 days in an aerobic atmosphere	No bacterial growth No bacterial growth	No bacterial growth No bacterial growth
Viability (post-freeze) 3 days at 37°C in an aerobic atmosphere on Potato Dextrose agar	Growth	Growth

Figure 1: Cellular Morphology

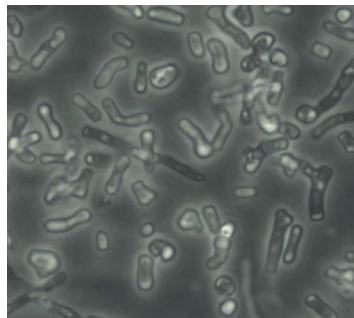


Figure 2: Colony Morphology



/Sonia Bjorum Brower/

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05 SEP 2025

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