

***Toxoplasma gondii*, Strain TgCatPRC2**

Catalog No. NR-20739

Product Description:

Toxoplasma gondii (*T. gondii*), strain TgCatPRC2 was isolated in 2007 from a cat in Guangzhou, Guangdong province, People's Republic of China. NR-20739 was produced by cultivation of BEI Resources seed lot 61372924 in green monkey kidney epithelial cells (ATCC® CCL-26™) with Dulbecco's Minimal Essential Medium (DMEM) supplemented with 10% (v/v) heat-inactivated fetal bovine serum (HIFBS) for 3 days at 37°C in an aerobic atmosphere with 5% CO₂ until lysis of the host cell monolayer was reached. Quality control testing was completed under propagation conditions unless otherwise noted.

Lot: 70072934

Manufacturing Date: 22NOV2024

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| TEST | SPECIFICATIONS | RESULTS |
|--|---|---|
| Cell Morphology¹ 15 days at 37°C in an aerobic atmosphere with 5% CO ₂ in DMEM supplemented with 10% HIFBS in green monkey kidney epithelial cells (ATCC® CCL-26™) | Report results | Refractive; crescent-shaped tachyzoites visible |
| Genotypic Analysis² Sequencing of uracil phosphoribosyltransferase (UPRT) intron 1 (~ 530 base pairs) (Figure 1) | Consistent with <i>T. gondii</i> , haplotype XIII ≥ 99% sequence identity to <i>T. gondii</i> , strain TgCatPRC2 (GenBank: AHZP02000679.1) | Consistent with <i>T. gondii</i> , haplotype XIII ³ 100% sequence identity to <i>T. gondii</i> , strain TgCatPRC2 (GenBank: AHZP02000679.1) |
| Viable Cell Count by Hemacytometry² | > 10 ⁶ cells/mL | 1.8 × 10 ⁷ cells/mL |
| Viability¹ 15 days at 37°C in an aerobic atmosphere with 5% CO ₂ in DMEM supplemented with 10% HIFBS in green monkey kidney epithelial cells (ATCC® CCL-26™) | Growth | Growth |
| Sterility (14-day incubation)¹ Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic | No growth No growth No growth No growth No growth | No growth No growth No growth No growth No growth |
| Mycoplasma Contamination¹ DNA Detection by PCR | None detected | None detected |

¹Testing completed on vial, post-freeze material.

²Testing completed on bulk material prior to vialing and freezing.

³Haplotype identification is based on a sequence alignment of NR-20739 lot 70072934 to a reference sequence provided by the depositor. See Figure 2 for sequence.

Figure 1: *T. gondii*, Strain TgCatPRC2– UPRT Intron 1 Sequence

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CAAACGACCA GGAAGAAAGC ATTCTCCAGG ACATCATCAC GAGGTAATCC TTCAACCGAA GTTTGCCTTC CGTGACTCTG
CCTCTTGGTT AACTGCGTG GCCTTCCCGT CCTGCCGCC CCTTTTCTCC GCTTGCTGTT TAAATGCTCG TCCTCGTTTT
CCTTCTGCCC GCATCCCGT ATATTTTAAG GAGAGGGAAA CAGGCGTGAG TTGGACGGAA TGAAAGTTCT CGGCCTGTAC
GCCGGTTGTC GCGGTCGTTT GCAGATTGCT TTTTCTTCG AATCGGTGCT GTAACCCTCG CGAAGAACGA CGCTGCAAAC
GACTTCTCGA ACTCTCAGTC GTGTACTTTA CGTGCTTCCT TTCAGGGACC TCCCCCGCG TTACTCATTT GTATTACAG
CTACGAAGTG TCTTGCAAGG TGGATTGCTG CCAGGCTCCA TGTCTCACTC GGTGCGTTTT CGGAAAAGTT CATTGTGAAC
GTTCCTTGGT CGTGTATGTA CTTTATCAGG TTTCCCAATG TGGTGCTCAT GA
    
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14 OCT 2025

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