

***Toxoplasma gondii*, Host Strain RH(EP)**

**Catalog No. HRP-2859**

**Product Description:**

HRP-2859 is a clonal isolate of *Toxoplasma gondii* (*T. gondii*), strain RH from a previously cloned isolate provided by Dr. Elmer R. Pfefferkorn, Dartmouth College, New Hampshire, USA. HRP-2859 was produced by cultivation of BEI Resources seed lot 95039 in human foreskin fibroblast cells (ATCC® CRL-1634™) with Dulbecco's Minimal Essential Medium (DMEM) supplemented with 10% (v/v) heat-inactivated fetal bovine serum (HIFBS) for 2 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> until lysis of the host cell monolayer was reached.

**Lot: 70080205**

**Manufacturing Date: 30JAN2026**

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TEST	SPECIFICATIONS	RESULTS
<b>Cell Morphology<sup>1</sup></b> 3 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> in DMEM supplemented with 10% HIFBS in human foreskin fibroblast cells (ATCC® CRL-1634™)	Report results	Refractive; crescent-shaped tachyzoites visible
<b>Genotypic Analysis<sup>2</sup></b> Sequencing of uracil phosphoribosyltransferase (UPRT) intron 1 (~ 520 base pairs) (Figure 1)  Sequencing of UPRT intron 1 (~ 520 base pairs) (Figure 1)	Consistent with <i>T. gondii</i> , haplotype I (GenBank: U10246.1) ≥ 99% sequence identity to <i>T. gondii</i> , strain RH (GenBank: LLKL0100320.1)	Consistent with <i>T. gondii</i> , haplotype I (GenBank: U10246.1) 100% sequence identity to <i>T. gondii</i> , strain RH (GenBank: LLKL0100320.1)
<b>Viable Cell Count by Hemacytometry<sup>2</sup></b>	> 10 <sup>6</sup> cells/mL	1.2 × 10 <sup>7</sup> cells/mL
<b>Viability<sup>1</sup></b> 3 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> in DMEM supplemented with 10% HIFBS in human foreskin fibroblast cells (ATCC® CRL-1634™)	Growth	Growth
<b>Sterility (14-day incubation)<sup>1</sup></b> 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
<b>Mycoplasma Contamination<sup>1</sup></b> DNA Detection by PCR	None detected	None detected

<sup>1</sup>Testing completed on vial, post-freeze material.

<sup>2</sup>Testing completed on bulk material prior to vialing and freezing.

Figure 1: *T. gondii*, Host Strain RH(EP) UPRT intron 1 Sequence

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CGACCAGGAA GAAAGCATT C CAGGACAT CATCACGAGG TAATCCTTCA ACCGAAGTTT GCTTCCGTG ACTCTGCCTG
TTGTTTATAC TCGTGGCCT TCCCGTCCTG CGGCCCCCTT TCCTCCGCTT GCTGTTTAAA TGCTCGTCCT CGTTTTCTTT
CCTGCCGCAT CCCCCTATAT TTTAAGGAGA GGGAAACAGG CGTGAGTTGG ACGGAATGAA AGTTCTCGGC CTGTACGCCG
GTTGTCGCGG TCGTTTGCAG ATTGCTTTTT TCTTCAATC GGTGCTGTAA CCCTCGCGAA GAACGACGCT GCAAACGACT
TCTCGAACTC TCAGTCGTGT ACTTTACGTG CTTCTTTTCA GGGACCTCCC CCTGCGTTAC TCATTTGTAT TCACAGCTAC
GAAGTGTCTT GCAAGGTGGA TTCCTGCCAG GCTCCATGTC TCACTCGGTG CGTTTTCGGA AAAGTTCATT GTGAACGTTT
CCCTTGCCTG TCATGACTTT ATCAGGTTTC CCAATGTGGT GCT
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24 MAR 2026

Lead Technical Writer or designee, ATCC Federal Solutions

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