

Macrophage Cell Line Derived from TRIF Knockout Mice

Catalog No. NR-9566

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Product Description:

The murine macrophage cell line was derived using primary bone marrow cells from TRIF (toll-interleukin-1 receptor-domain-containing-adaptor-inducing interferon-β) knockout mice. The primary bone marrow cells were immortalized by infection with the ecotropic transforming replication-deficient retrovirus J2 using techniques described in the literature. Cells were grown in Dulbecco's Modified Eagle's Medium (ATCC® 30-2002™) containing 4 mM L-glutamine, 4500 mg/L-glucose, 1 mM sodium pyruvate and 1500 mg/mL sodium bicarbonate, supplemented with 10% fetal bovine serum (ATCC® 30-2020) at 37°C and 5% CO₂.

Lot: 70077804

Manufacturing Date: 03NOV2025

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Macrophage	Macrophage
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	Murine origin No evidence of another species	Murine origin No evidence of another species
Total Cell Count	> 1.0 × 10 ⁶ cells/vial	5.5 × 10 ⁶ cells/vial
Post-Freeze Viability	≥ 40%	43.6%
Sterility test (BacT/ALERT 3D) iAST bottle (aerobic) at 32.5°C, 14-day incubation iNST bottle (anaerobic) at 32.5°C, 14-day incubation	No growth No growth	No growth No growth
Mycoplasma Contamination Hoechst DNA stain Agar and broth culture (14-day incubation at 37°C) DNA detection by PCR of extracted Test Article nucleic acid	None detected None detected None detected	None detected None detected None detected

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23 JAN 2026

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