

**Tick Cell Line ISE6 Derived from *Ixodes scapularis* Embryos**

**Catalog No. NR-12234**

**Product Description:**

The cell line, ISE6, was derived using whole embryos from black-legged ticks (*Ixodes scapularis*). The primary culture was obtained from embryos at an age of 25 days post-onset of oviposition. Cell line ISE6 was established by subculturing the primary culture using techniques described in the literature.

**Lot: 70060063**

**Manufacturing Date: 24AUG2023**

TEST	SPECIFICATIONS	RESULTS
<b>Growth Properties</b>	Adherent	Adherent and floating clumps of viable cells
<b>Morphology</b>	Embryonic, mixed	Embryonic, mixed
<b>Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene</b>	<i>Ixodes scapularis</i> origin No evidence of another species	<i>Ixodes scapularis</i> origin No evidence of another species
<b>Total Cell Count</b>	> 10 <sup>6</sup> cells per vial	1.2 × 10 <sup>7</sup> cells/vial
<b>Post-Freeze Viability</b>	≥ 19%	64.3%
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>1</sup> 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 DMEM with 10% FBS, 37°C and 5% CO <sub>2</sub>	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth
<b>Mycoplasma Contamination</b> 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

<sup>1</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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