

**HEK-TLR4<sup>YFP</sup> Cell Line**

**Catalog No. NR-9314**

This reagent is the property of the U.S. Government.

**Product Description:** The HEK-TLR4<sup>YFP</sup> cell line is derived an adherent human embryonic kidney epithelial cell line (HEK-293) by stable transfection with a cDNA construct coding for a Yellow Fluorescent Protein (YFP)-Human Toll-Like Receptor 4 (TLR4) chimera.

**Lot: 57819200**

**Manufacturing Date: 19NOV2007**

| TEST   | SPECIFICATIONS                                  | RESULTS   |
|--|---|---|
| <b>Growth Properties</b>   | Adherent  | Adherent  |
| <b>Morphology</b>  | Epithelial                                      | Epithelial                                      |
| <b>Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene</b>  | Human origin<br>No evidence of another species  | Human origin<br>No evidence of another species  |
| <b>Cell Count</b>  | > 1.0 X 10 <sup>6</sup> cells/vial              | 3.1 X 10 <sup>6</sup> cells/vial                |
| <b>Post-Freeze Viability</b>   | ≥ 50%   | 83%   |
| <b>Sterility (BacT/ALERT<sup>®</sup> 3D Microbial Detection System)</b><br>14-day incubation of NR-9314:<br>i NST culture bottle, 32°C, anaerobic<br>i AST culture bottle, 32°C, aerobic | No growth<br>No growth                          | No growth<br>No growth                          |
| <b>Mycoplasma Contamination</b><br>Hoechst DNA stain<br>Agar and broth culture (14-day incubation at 37°C)<br>DNA Detection by PCR of Test Article nucleic acid                          | None detected<br>None detected<br>None detected | None detected<br>None detected<br>None detected |

**Date:** 11 APR 2008

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

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