

**Bartonella sp., Strain E1-105**

**Catalog No. NR-31035**

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**Product Description:** *Bartonella* sp. (deposited as the new taxon *Bartonella breitschwerdtii*), strain E1-105, was isolated in January 2008 from a blood clot found in a wild straw-colored fruit bat (*Eidolon helvum*) in Moitti Village, Kenya. Strain E1-105 was passaged twice prior to deposition.

**Lot<sup>1</sup>: 61620215**

**Manufacturing Date: 04APR2013**

| TEST  | SPECIFICATIONS  | RESULTS   |
|---|---|---|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>Colony morphology <sup>2</sup><br><br>Motility (wet mount)<br>Biochemical tests:<br>Catalase | Gram-negative rod<br>Report results<br><br>Report results<br><br>Negative | Gram-negative rod<br>Circular, low convex, entire, opaque and white (Figure 1)<br>Motile<br><br>Negative              |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene (~ 1130 base pairs)   | Consistent with <i>Bartonella</i> spp.                                    | Consistent with <i>Bartonella</i> spp.<br>>99% identical to GenBank: HM363785 ( <i>Bartonella</i> sp., strain E1-105) |
| <b>Viability (post-freeze)<sup>2</sup></b>  | Growth  | Growth  |

<sup>1</sup>*Bartonella breitschwerdtii*, strain E1-105 was deposited by Michael Kosoy, Bartonella Laboratory Chief, Bacterial Diseases Branch, Division of Vector-Borne Diseases, National Center for Emerging and Zoonotic Infectious Diseases, Centers for Disease Control and Prevention, Fort Collins, Colorado, USA. NR-31035 was produced by inoculation of the deposited material into Heart Infusion broth and grown 8 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. Broth inoculum was added to Bartonella Chocolate agar kolles which were grown 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> to produce this lot.

<sup>2</sup>7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Bartonella Chocolate agar

**Figure 1**



**Date:** 18 DEC 2013

**Signature:** 

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

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