

**Plasmodium vinckei subsp. baforti, Clone 8EL8**

**Catalog No. MRA-832**

**Product Description:**

*Plasmodium vinckei* (*P. vinckei*), subsp. *baforti* clone 8EL8 is derived from the original isolate, Esekam IV from *Thamnomys* species, collected in Eseka, Cameroon in 1974. Previously referred to as *Plasmodium vinckei* subsp., the subspecies has been renamed. The subspecies designation on the vial label is incorrect. MRA-832 was produced by inoculation of BEI Resources seed lot 7410742 into 2 Swiss Webster ND4 mice. Infection was allowed to progress for 11 days. Infected blood was collected by retro-orbital bleeding and used to inoculate 18 Swiss Webster ND4 mice. Infection was allowed to progress for 6 days. Infected blood was collected by retro-orbital bleeding.

**Lot: 70040130**

**Manufacturing Date: 17DEC2020**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis<sup>1</sup></b> Circumsporozoite Surface Protein 1 (CSP1) gene PCR amplicon analysis Sequencing of CSP1 gene (~ 1280 base pairs)	~ 900 to 1500 base pair amplicon  Consistent with <i>P. vinckei</i>	~ 1250 base pair amplicon  Consistent with <i>P. vinckei</i> (Figure 1)
<b>Level of Parasitemia</b> Pre-freeze (11 days post-infection) <sup>2</sup> Post-freeze (7 days post-infection) <sup>1</sup>	≥ 2% ≥ 1%	12.3% 1.2%
<b>Viability (7 days post-infection)<sup>1</sup></b>	Growth in inoculated mice	Growth in inoculated mice

<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: MRA-832 CSP1 Sequence**

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ATGAAGAAGTGTACCATTTTAGTTGTGGCATCCCTTTTGTAGTTGATTCCCTTACTTCCAGGATATGATCAAAAATAAAAATGTCCAA
ACCAAAAGAACTTAAACGAGTTATGTTACAATGAGGAAACCGATAATAAATTGTATCAAATGCTTAACTCAAAAAATGGAAAAATA
TCCAACCGAAATATAGTCAACAGATTACTTGCAGCTAAACCCGAAGAAAAAAGGAAGAAAAAAGAAGAAAAAAGAAGAGAAA
AAAGAAGAGAAAAAGGAAGAGAAAAAGGAAGAGAAAAAGATGAGAAAAAGGAAGAGAAAAAGCGCCTGAGAATAAATTGAAACAG
CAACCAGAAGAAGGACAAGGAGGTAACGTAGTGCCAGGAGGTGGAGGAGTAGACGTACCAGGAGCAGGAGCAGGAGCAGGAGCAGGT
GCAGGAGCAGGTGCAGGAGCAGGAGCAGGAGCAGGTGCAGGAGCAGGTGCAGGAGCAGGACAAGGAGGTGATGCAGCAGAACAAGA
GGAGGAGGAGGAGGACAAGAAGGTGATGCAGCAGAACAAGAGGAGGAGGAGGACAAGGAGGTGATGCAGCAGAACAAGAGGAGGA
GGAGGAGGACAAGAAGGTGATGCAGCAGAACAAGAGGAGGAGGAGGAGGAGGACAAGGAGGTGATGCAGCAGAACAAGAGGAGGA
GGAGGACAAGAAGGTGATGCAGCAGAACAAGAGGAGGAGGAGGAGGAGGACAAGGAGGTGATGCAGCAGTACCAGCAGATAGACCAGCA
GCACCAGCAGATAGACCTGCAGCACCAGCAGATAGACCAGCACCACCAGCAGATAGACCAGCACCACCAGCAGATAGACCAGCACCA
CCAGCAGATAGACCAGCAGGAGGTGGTGGTAATAACAACAACCCAAGAGGCCAGGGAAATCAACCAGCAGGAGGTGGTAAATAACAAT
AACCAGGAAGAGGTAATAACAACAACAATAATAATAATAATAATGAAGCGCCTGCGATGCCAACTGTGGAGCAAATAAATGAG
TTCATTAATAAGGTCAAAAATGAATTAACAGACGAGTGGTCTCAATGTAGTGTAACATGTGGTACTGGTATAAGAATTAGAAAACGA
CCAAATCTAAATAAGCAACCAGAAAATTATACCATAGATGATTTTGAAACTGAAGTTTGTAATAATGGATAAATGTTCAAGTATATTT
AATATTGTAAGCAACTCATTAGGATTTGTAATATTATTAGTATTAGTATTCTTTAATTAA
    
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