

Plasmodium yoelii, subsp. yoelii, Strain 17XA

Catalog No. MRA-751

Product Description:

Plasmodium yoelii (*P. yoelii*), strain 17XA was cloned by dilution in mice from strain 17X, which was isolated by I. Landau from wild-caught thicket rat (*Thamnomys rutilans*) no. 17X, at La Maboké Field Station in Central African Republic, in 1965. MRA-751 was produced by inoculation of BEI Resources seed lot 58574144 into 3 ND4 Swiss Webster mice. Infection was allowed to progress for 11 days. Infected blood was collected by retro-orbital bleeding and used to inoculate 17 ND4 Swiss Webster mice. Infection was allowed to progress until parasitemia reached 5%. Infected blood was collected by retro-orbital bleeding.

Lot: 70074441

Manufacturing Date: 28MAR2025

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis¹ Circumsporozoite Surface Protein 1 (CSP1) gene PCR amplicon analysis Sequencing of CSP1 gene (~ 1250 base pairs)	~ 900 to 1500 base pair amplicon Consistent with <i>P. yoelii</i>	~ 1300 base pair amplicon Consistent with <i>P. yoelii</i> (Figure 1)
Level of Parasitemia Pre-freeze (4 days post-infection) ¹ Post-freeze (7 days post-infection) ²	≥ 2% ≥ 1%	5.10% 3.83%
Viability (7 days post-infection)¹	Growth in inoculated mice	Growth in inoculated mice

¹Testing completed on bulk material prior to vialing and freezing

²Testing completed on vialled, post-freeze material

Figure 1: MRA-751 CSP1 Sequence

```

ATGAGGAAGTGTACCATTTTAGTTGTAGCGTCACTTTTATTAGTTGATTCTCTACTTCCAGGATATGGACAAAATAAAAGTGTCCAAGCCCAAAGAA
ACTTAAACGAGCTATGTTACAATGAAGAAAATGATAATAAATTGTATCACGTCTTAACCTCGAAGAATGGAAAAATATACAATCGAAATATAGTCAA
CAGATTACTTGGCGATGCTCTCAACGGAAAACAGAGAAGAAAAAAGATGATCCCCAAAAGATGGCAACAAAGATGATCTTCCAAAAGAAGACAAA
AAAGATGATCTTCCAAAAGAAGAAAAAAGATGATCCCCAAAAGATCCTAAAAAAGATGATCCACCAAAAGAGGCTCAAATAAATTGAATCAAC
CAGTAGTGGCAGATGAAAATGTAGATCAAGGGCCAGGAGCACCACAGGGACCAGGAGCACCACAAGGACCAGGAGCACCACAAGGACCAGGAGCACC
ACAAGGGCCAGGAGCACCACAGGGACCAGGAGCACCACAAGGACCAGGAGCACCACAAGGACCAGGAGCACCACAAGGACCAGGAGCACCACAGGGG
CCAGGAGCACCACAAGGGCCAGGAGCACCACAGGGACCAGGAGCACCACAGGGGCCAGGAGCACCACAGGGGCCAGGAGCACCACAAGGACCAGGAG
CACCACAAGGACCAGGAGCACCACAAGGACCAGGAGCACCACAGGGGCCAGGAGCACCACAGGGGCCAGGAGCACCACAAGGACCAGGAGCACCACA
AGGACCAGGAGCACCACAGGGGCCAGGAGCACCACAGGGGCCAGGAGCACCACAAGGACCAGGAGCACCACAGGGACCAGGAGCACCACAAGAACCA
CCCCAACCAACCCCAACCAACCAACCAACAGCCACCACAACAACCACGCCACAGCCAGATGGTAATAACAACAATAACAATAAATGGTAATA
ATAATGAAGATTCTTATGTCCCAAGCGCGGAACAAATACTAGAATTTGTTAAACAGATAAGTAGTCAACTCACAGAGGAATGGTCTCAATGTAGTGT
AACCTGTGGTTCTGGTGAAGAGTTAGAAAACGAAAAATGTAAACAAGCAACCAGAAAATTTGACCTTAGAGGATATTGATACTGAAATTTGTAA
ATGGATAAATGTTCAAGTATATTTAATATTGTAAGCAATTCATTAGGATTGTAATATTATTAGTATTAGTATTCTTTAATTAA

```

Certificate of Analysis for MRA-751

/Sonia Bjorum Brower/

Sonia Bjorum Brower

28 MAY 2026

Technical Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

