



Product Information Sheet for MRA-750

PARASITE

MR4 Number: MRA-750
Organism: *Plasmodium yoelii yoelii*
Isolate: 17X(Pr1)
Original Host: *Thamnomys rutilans* 17X(Pr1)
Isolate Collection Date: 1969
Isolate Location: Central African Republic, La Maboké field station
Cloner: S. Morgan, University of Edinburgh
Depositor: David Walliker, University of Edinburgh
Unit size: 0.2 ml
Propagated in: Mouse

History: Original thicket-rat (*Thamnomys rutilans*) 17X containing *P. y. yoelii* caught by I. Landau, sent to Paris, France, then Edinburgh (1969). Passaged into mice. Pyrimethamine selection and cloning carried out in Edinburgh.

Cloning details: The pyrimethamine-resistant mutant 17X(Pr1) was obtained by treatment of isolate 17X with pyrimethamine at 50mg/kg 4 days, followed by cloning by dilution into mice.

Drug profiles: CQ: resistant. Pyr: resistant. Grows in mice treated with 15 mg/kg pyrimethamine 4 days. See Walliker, D. et al. (1973) *Parasitology* 66, 309-320; Warhurst, D.C. and Killick-Kendrick, R. (1967) *Nature* 213, 1048-1049.

Amplification: Cryopreserved material should be injected in mice via the i.p. route. To maintain the strain in vivo, passage infected blood from donor mice to recipient mice via the i.v. route.

Cryopreservation: Deep freeze solution: 28% glycerol, 3% sorbitol, 0.65% NaCl. Added as equal volume to that of the whole infected blood. 0.2ml (approximately) aliquots placed in ampules with parasitama of 10%. Frozen rapidly in liquid nitrogen.

References:

Beale, G.H., Carter, R. and Walliker, D. (1978) Genetics. In *Rodent Malaria*. Eds Killick-Kendrick, R. and Peters, W. Academic Press pp. 213-245
Walliker, D., Carter, R. and Morgan, S. (1973) Genetic recombination in *Plasmodium berghei*. *Parasitology* 66, 309 – 320
Warhurst, D.C. and Killick-Kendrick, R. (1967) Spontaneous resistance to chloroquine in a strain of rodent malaria (*Plasmodium berghei yoelii*). *Nature* 213, 1048-1049

MR4 Replacement Policy

MR4 shall replace reagent if the customer reports it was received damaged. Shipments with problems must be reported within 30 days of receipt. Frozen shipments received thawed or damaged should be reported by the customer to the airline or freight forwarder upon receipt. MR4 should be notified after a claim has been filed to arrange for another shipment.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC® uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

Citations regarding use of this material

Please remember to reference both MR4 AND THE DEPOSITOR in all publications resulting from the use of this reagent.

Example of how to reference MR4 reagents:

In Materials and Methods "*P. falciparum* line Dd2 (MRA-156, MR4, ATCC® Manassas Virginia)...". In the acknowledgment portion: "We thank MR4 for providing us with malaria parasites contributed by (name of depositor)."

Consider Depositing to the MR4!

The generosity of other researchers made it possible for you to use this reagent. We invite you to share your reagents with the malaria community. One of the missions of MR4 is to facilitate technology transfer. MR4 will acknowledge your contribution in its publications. Contact us for more information.

© ATCC 2010. All rights reserved.

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