



Product Information Sheet for MRA-752

PARASITE

MR4 Number: MRA-752
Organism: *Plasmodium yoelii yoelii*
Isolate: 33X
Original Host: *Thamnomys rutilans* 33X (3L)
Isolate Collection Date: 1965
Isolate Location: Central African Republic, La Maboké field station
Comment: Uncloned isolate
Depositor: David Walliker, University of Edinburgh
Unit size: 0.2 ml
Propagated in: Mouse

History: Original isolate from thicket-rat *Thamnomys rutilans* 33X (also called 3L) by I. Landau in Central African Republic, sent to Paris, then London School of Hygiene and Tropical Medicine, then Edinburgh in January 1968. Passaged into mice.

Drug profiles: CQ: resistant. LD50s not known. See Carter, R. (1972) Nature 238, 98-99

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
Carter, R. (1972) Effect of PABA on chloroquine-resistance in *Plasmodium berghei*. Nature 238, 98-99

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.

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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)."

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