



# Product Information Sheet for MRA-753

## PARASITE

**MR4 Number:** MRA-753  
**Organism:** *Plasmodium yoelii yoelii* 33X  
**Isolate/Clone:** 33X (743C1)  
**Original Host:** *Thamnomys rutilans* 33X  
**Isolate Collection Date:** April 1965  
**Isolate Location:** Central African Republic, La Maboké field station  
**Cloner:** D. Walliker  
**Date of cloning:** July 26, 1974  
**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. Cloned after passages through mice, *Grammomys surdaster* and *Anopheles stephensi*.

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

**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.

### 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.

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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)."

### 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.

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