



Product Information Sheet for MRA-759

PARASITE

MR4 Number: MRA-759
Organism: *Plasmodium chabaudi adami*
Isolate: 19DK23
Original Host: *Thamnomys rutilans* DK (556KA)
Isolate Collection Date: 1970
Isolate Location: Congo-Brazzaville, N'ganga Lingolo
Date of Cloning: May 28, 1974
Cloner: David Walliker
Depositor: David Walliker, University of Edinburgh.
Unit size: 0.2 ml
Propagated in: Mouse

History: Original isolate from wild-caught thicket-rat *Thamnomys rutilans* no. 556KA, by I. Landau, J-C. Michel, and J-P. Adam. Isolate DK (556KA) sent to Paris, France, then Edinburgh (1971). DK (556KA) may have contained mixed infection of *P. chabaudi adami* and *P. vinckei lentum*. *P. c. adami* clone 19DK23 obtained by dilution, and inoculation of mice. Cloning carried out in Edinburgh by dilution of blood forms, and inoculation into mice.

Drug profiles: Not tested.

References:

Carter, R. and Walliker, D. (1976) Malaria parasites of rodents of the Congo (Brazzaville): *Plasmodium chabaudi adami* subsp. nov. and *Plasmodium vinckei lentum* Landau, Michel, Adam and Boulard 1970. *Annales de Parasitologie*, 51, 637-646.
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.
Crewther, P.E., Matthew, M.L.S.M., Flegg, R.H. and Anders, R.F. (1996) Protective immune responses to Apical Membrane Antigen 1 of *Plasmodium chabaudi* involve recognition of strain-specific epitopes. *Infection and Immunity* 64, 3310-3317.

Amplification: Cryopreserved material should be injected in mice via the i.p. route. To maintain the strain in vivo, passage infected blood from donor 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 parasitemia of 10%. Slow freeze to -80°C overnight and transfer to vapor phase N₂ or flash freeze in liquid N₂.

Important note: This reagent was authenticated by the contributor. Please contact malaria@atcc.org for any comment.

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: Biosafety in Microbiological and Biomedical Laboratories, 5th ed. (2007). Department of Health and Human Services, Centers for Disease Control and Prevention. The full text is available from CDC online at <http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm>.

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

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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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