Product Information Sheet for MRA-858

INSECT CELL LINE

MR4 Number: MRA-858
Product Name: MSQ43
Unit Size: 0.5ml
Concentration: $10^7$ ml$^{-1}$ (5x$10^6$ total cells)
Source of Cell: Anopheles stephensi Indian wild type
Cell Lines: Immortalized: Y
Quality Control: Cells tested negative for mycoplasma
Storage condition: Liquid N$_2$
Biosafety level: 1
Shipped: Frozen
Depositor: S. Luckhart < I. Schneider (WRAIR)
Propagation: Culture System: T-25 flask
Growth Mode: adherent

Protocol: MEM-E5 medium; 5% CO$_2$ required; harvest with cell scraper; split 1:3 to 1:5 when confluent; slow doubling time may be experienced in suboptimal conditions (72h), investigator reports 20 hr doubling time; cells grow best when seeded and maintained at high density (split at near confluence, reseed at ~30% confluence).

Media:
MEM – E5 (Minimum Essential Medium enhanced, 5% FBS)
Used for mosquito cell lines including MRA-858 (A. stephensi MSQ43) and Aedes albopictus C7-10 cells.

MEM with Earl’s salts 440.0 ml
200mM L-glutamine (to 4mM) 10.0 ml
Sterile 10% glucose 5.0 ml
100x Vitamin solution 5.0 ml
NEAA (non-essential amino acids)........10.0 ml
100x Penicillin/Streptomycin 5.0 ml
Heat Inactivated FBS (to 5%) 25.0 ml
Mix and filter sterilize

Other MEM with Earl’s base formulations containing L-glu may be adjusted accordingly to 4mM L-glu.

Incubation: 28.0°C and 5% CO$_2$ atmosphere required, T25 or larger filter capped or loose-capped flask.

Passage: Cells are adherent but may be detached and passaged by vigorous pipetting or cell scraping with a cell harvester/rubber policeman. Trypsin treatment not required and not desirable. If chemical disruption is preferred, trypsin substitutes may be less damaging to cells.

References:
For MSQ43 cell line:

For MEM E-5 media:

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


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.
Product Information Sheet for MRA-858

INSECT CELL LINE

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 2008. All rights reserved.
ATCC® is a registered trademark of the American Type Culture Collection.