



# Product Information Sheet for MRA-99

## Plasmid DNA

**MR4 Number:** MRA-99  
**Product name:** pHLH-1  
**Unit size:** 500 ng (10 ng/uL)  
**Form:** Plasmid in TE  
**Gene name:** Luciferase /HRP gene  
**Source of insert:** *firefly*, Promega pGL vector  
**Vector:** pBluescript  
**Insert size:** 4.5 kb  
**Selectable marker:** Ampicillin resistance  
**Insert sites:** Kpn I / Pst I  
**Suggested hosts:** XL1 Blue, DH123  
**Storage condition:** Frozen  
**Application:** *Plasmodium falciparum* transfection; expression of Luciferase under HRP element control.

**Original Preparation Contributed By:** Yimin Wu / Thomas Wellems

### References:

Deitsch K, Driskill C, Wellems T. Transformation of malaria parasites by the spontaneous uptake and expression of DNA from human erythrocytes. *Nucleic Acids Res* 29:850-853, 2001.

Also mentioned in:

Wu et al. Transfection of *Plasmodium falciparum* within human red blood cells. *Proc. Natl. Acad. Sci.* 92:973-977, 1995.

**Comments:** This reagent is prepared by MR4 and stored frozen. **The sequence has not been confirmed by MR4.**

**Important note:** This reagent was quality tested by MR4 using spectrophotometry and gel analysis.

Please contact [malaria@atcc.org](mailto:malaria@atcc.org) for any comment.

### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: *Biosafety in Microbiological and Biomedical Laboratories*, 4th ed. HHS Publication No. (CDC) 93-8395. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. Washington DC: U.S. Government Printing Office; 1999. The text is available online at [www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.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.

### 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.

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