



## Product Sheet

# pSV3-dhfr plasmid in *Escherichia coli* (ATCC® 37147™)

### Please read this FIRST



Storage Temp.  
**Store unopened  
freeze-dried vial  
at 4°C**

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Biosafety Level  
**1**

### Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

### Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: pSV3-dhfr plasmid in *Escherichia coli* (ATCC® 37147™)

### Shipping Information

Plasmid in *E. coli*

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

### Description

An expression construct that confers selective advantage to mammalian cell lines grown in the presence of methotrexate. This vector was created by cloning the large T antigen from SV40 into pSV2-dhfr.

**Designation:** pSV3-dhfr plasmid in *Escherichia coli*

**Distribution Host:** *Escherichia coli* HB101

### Propagation

1. Open vial according to instructions.
2. Aseptically add 0.3 to 0.4 mL of liquid medium to the freeze-dried pellet and mix well. Transfer 100 µL to a test tube containing 5 mL LB+ ampicillin (50-100 µg/mL). A loopful of culture can also be streaked on an agar plate of the same. Incubate cultures at 37°C.
3. Isolate DNA using standard plasmid preparation procedures.

### Growth Conditions

**Temperature:** 37°C

#### Medium

ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

### Vector Information

**Construct size (kb):** 8.4

**Vector:** pSV3-dhfr (plasmid)

**Construction:** pBR322, SV40, mouse

#### Features:

**marker(s):** ampR, mxR

**other:** SV40 large T antigen

**promoter:** SV40

**replicon:** pMB1

### References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

### Notes

Restriction digests of the vector gave the following sizes (in kb): HindIII – 4.4, 2.1, 1.2, 0.6 ; EcoRI – 8.4 ; PstI – 6.0, 1.4, 1.0.

-ATCC Staff

### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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### 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



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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).


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