



## Product Sheet

# YCp50-poly (ATCC® 87555™)

Please read this FIRST



Storage Temp.  
**Store unopened  
vial 4<sup>0</sup> 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: YCp50-poly (ATCC® 87555™)

### Shipping Information

Freeze dried *E. coli* containing the plasmid.

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

A YC-type shuttle vector. YCp50-poly was constructed in two steps: (1) YCp50 (ATCC# 37419) was cleaved with XhoI and Asp718, blunted and ligated. (2) This construct was then cleaved with EcoRI and Sall, and the EcoRI-PvuII fragment of pUC19 was inserted.

Designation: YCp50-poly

## 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  $\mu$ L to a test tube containing 5 mL of LB+ampicillin (50-100  $\mu$ g/mL). A loopful of culture can also be streaked on an agar plate of the same. Incubate cultures at 37<sup>0</sup>C. 3. Isolate DNA using standard plasmid preparation procedures..

### Growth Conditions

Temperature: 37.0°C

### Medium

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

## Vector Information

Size (kb): 7.0560002326965330

Vector: YCp50-poly (plasmid)

Construction: YCp50, pUC19 polylinker

Marker(s):URA3,ampR

Construct size (kb): 7.056000232696533

Features: marker(s): URA3

marker(s): ampR

replicon: ARS1

replicon: pMB1

MCS: EcoRI...HindIII

centromere: CEN4

## 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 clone gave the following sizes (in kb): EcoRI 7.2; SmaI 5.1, 2.1 ; PstI 3.3, 1.8, 1.1, 0.9.

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



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humans.

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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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