



Product Sheet

pAR3 (ATCC® 87026™)

Please read this FIRST



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: pAR3 (ATCC® 87026™)

Shipping Information

Distributed: freeze-dried

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: pAR3

Distribution Host:

Distribution host: *Escherichia coli* DH1

Propagation

Growth Conditions

Temperature: 37.0°C

Medium

ATCC® Medium 2272: LB Medium (Miller) with chloramphenicol 25 mcg/ml

Vector Information

Size (kb): 3.32

DESCRIPTION OF VECTOR:

Intact vector size: 3.320

Type of vector: plasmid

Cloning sites: PstI NarI BglII KpnI HindIII

Polylinker sites: NcoI PstI NarI EcoRV BglII KpnI HindIII

Construction: pACYC184, pARA12

Host range: *Escherichia coli*

Features (with orientation and position when available):

replicon: p15A

MCS: HindIII...NcoI, ->

promoter: paraB, <-

coding sequence: araC, ->

marker(s): cmlR, <-

Vector: pAR3 (plasmid)

Promoters: Promoter paraB

Construction: pACYC184, pARA12

Marker(s):cmlR

Construct size (kb): 3.32

Features: marker(s): cmlR

promoter: paraB

replicon: p15A

MCS: HindIII...NcoI

coding sequence: araC

References

References and other information relating to this product are available online at www.atcc.org.

Notes

Restriction digests of the clone give the following sizes (kb): BglII--3.4;

EcoRV--2.5, 0.45 (doublet); PstI--3.4.

- ATCC staff

This vector is compatible with ColE1-derived plasmids and allows efficient expression of recombinant genes upon induction with arabinose. These features make it convenient to be used in combination with standard gene expression vectors for the independently controlled production of two recombinant polypeptides in *E. coli*.

- personal communication

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



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ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in 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

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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