



Product Sheet

pJL164 (ATCC® 87471™)

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: pJL164 (ATCC® 87471™)

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: pJL164

Distribution Host:

Distribution host: *Escherichia coli* unknown (ATCC 33694)

Media:

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

Conditions

Temperature: 37°C

Vector Information

Size (kb): 8.4

DESCRIPTION OF VECTOR:

Intact vector size: 8.400

Type of vector: phagemid

Cloning sites:

Polylinker sites:

Other unique sites: SmaI

Construction: pRS305

Host range: *Saccharomyces cerevisiae*; *Escherichia coli*

Features (with orientation and position when available):

marker(s): LEU2, <-

replicon: f1, <-

other: URA3 deleter cassette

replicon: pMB1

marker(s): ampR, <-

Vector: pJL164 (phagemid)

Construction: pRS305

Marker(s): LEU2, ampR

Construct size (kb): 8.4

Features: marker(s): LEU2

marker(s): ampR

other: URA3 deleter cassette

replicon: f1

replicon: pMB1

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): KpnI--4.7, 4.0;

XbaI--9.0; EcoRI--9.0.

- ATCC staff

This deleter vector is used to create designer yeast strains with a non-revertable *ura3* auxotrophic marker deletion.

- Yeast 14: 115-132, 1998

ura3delta0 deletion hosts are generated by transformation with the SpeI/XhoI digested plasmid, pJL164, followed by selection on 5-FOA plates.

- Yeast 14: 115-132, 1998

ura3 point mutation hosts are then differentiated from *ura3delta0* deletion hosts by reversion analysis and Southern analysis.

- Yeast 14: 115-132, 1998

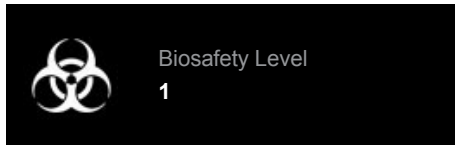
Biosafety Level: 1



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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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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.

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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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