Description

Designation: pJA70
Distribution Host:
Distribution host: Escherichia coli HB101 (ATCC 33694)

Propagation

Growth Conditions
Temperature: 37.0°C
Medium
ATCC® Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin

Vector Information

Size (kb): 5.078
DESCRIPTION OF VECTOR:
Intact vector size: 5.078
Type of vector: plasmid
Cloning sites: SacI SacII NotI XbaI SpeI BamHI SmaI EcoRI EcoRV ClaI
Polylinker sites: SacI BstXI SacII EagI NotI XbaI SpeI BamHI Smal PestI EcoRI
EcoRV HindIII Clal Sall Xhol Apal Kpnl
Construction: pUC, Tn903
Host range: Saccharomyces cerevisiae Candida robusta; Escherichia coli
Features (with orientation and position when available):
centromere: CEN6
insert detection: lacZ'
marker(s): kanR, HIS3
promoter: lac
replicon: pMB1, ARSH4
Vector: pJA70 (plasmid)
Promoters: Promoter lac
Construction: pUC, Tn903
Marker(s): kanR, HIS3
Construct size (kb): 5.078
Features: insert detection: lacZ'
marker(s): kanR, HIS3
promoter: lac
replicon: pMB1, ARSH4
centromere: CEN6

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): PstI=2.2, 1.8, 1.2; HindIII=3.1, 1.9, 0.2; Kpnl=2.9, 2.1; EcoRI=5.1.
- ATCC staff

YC-type shuttle vector that can be used with the Tn3-based transposition system developed in Heffron's laboratory. Permits visual detection of recombinants by the lacZalpha complementation system. The order of the major features in this plasmid is: lacZ/MCS - CEN6 - ARSH4 - HIS3 - kanR - pMB1 ori.
- 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.
Product Sheet
pJA70 (ATCC® 77258™)

Please read this FIRST

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: pJA70 (ATCC® 77258™)

Shipping Information

Distributed: freeze-dried

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.

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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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