This is a suicide vector for allelic exchange or transposon mutagenesis in Pasteurella haemolytica or P. multocida. Because of the presence of the R6K replicon, host strains must contain lambda pir.

Designation: pAKA22

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 uL to a test tube containing 5 mL LB+ ampicillin (50-100 ug/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: 37.0°C
Medium
ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Size (kb): 4.199999809265137
Vector: pAKA22 (plasmid)
Construction: pAKA16, pJM703.1
Marker(s): ampR
Construct size (kb): 4.199999809265137
Features: insert detection: lacZ
marker(s): ampR
other: mob
replicon: RK6
MCS: HindIII/SphI/PstI/.../NruI/HindIII

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

Restriction digests of the clone gave the following sizes   (in kb): BamHI 4.2; Clal 4.2 ; BgIII 4.2.

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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 If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

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product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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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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Please read this FIRST

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

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: pAKA22 (ATCC® 87102™)

Shipping Information

Freeze dried E. coli containing the plasmid