

87110<sup>TM</sup>

# Description

Clone type: Vector

Host: Pseudomonas aeruginosa PAO1-LAC (ATCC 47085); Pseudomonas aeruginosa PA103-

LAC (ATCC 47086)

**Host range:** 

Broad host range; Pseudomonas aeruginosa; Escherichia coli

### **Host requirements:**

E. coli lacIq

E. coli lacZdeltaM15 for recombinant screening

P. aeruginosa lacıq

P. aeruginosa lacZdeltaM15 for recombinant screening

### **Suggested hosts:**

Pseudomonas aeruginosa PAO1-LAC (ATCC 47085) Pseudomonas aeruginosa PA103-LAC (ATCC 47086)

Shipping information: Escherichia coli DH5αF containing the plasmid

# **Storage Conditions**

**Product format:** Frozen

Storage conditions: -80°C or colder

#### Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.



#### BSL<sub>1</sub>

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# Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

### **Vector Information**

Construct size (kb): 4.5

**Vector name:** pUCP19 (plasmid)

Type of vector: plasmid

Construction: pUC19, pRO1614
Coding sequence: lacZalpha

Markers: CbR; ampR
MCS: EcoRI...HindIII

Promoters: Expression: lac

Replicon: bhr (rep pRO1600); pMB1

#### **Growth Conditions**

Medium:

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

**Temperature:** 37°C

# **Handling Procedures**

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 LB+50  $\mu$ g/mL of ampicillin. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

#### Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pUCP19 in *Escherichia coli* DH5alphaF' (ATCC 87110)

#### References

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

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## Revision

This information on this document was last updated on 2025-09-12

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