



pAL4000 Plasmid in *Escherichia coli*

77192™

Description

Promoter-cloning vector permitting visual detection of activity using the promoterless luciferase gene as the reporter. Not self transmissible, but mobilizable by the transfer functions of RK2. It was tested in *Pseudomonas aeruginosa* PAO1161, *Acintebacter calcoaceticus* BD413, *Rhizobium meliloti* 102F34na1 and *Agrobacterium tumefaciens* A18. The order of the major features in this plasmid is: rpoC rho-independent transcription terminator ? EcoRI/MCS/PstI ? transcription terminator ? luc ? BglII ? RSF1010 ? tetR.

Clone type: Vector

Shipping information: *Escherichia coli* containing the plasmid

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories*

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(BMBL), U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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): 13.0

Vector name: pAL4000 (plasmid)

Type of vector: plasmid

Construction: RSF1010, pKW102, pBR322, pUC19

Insert detection: luciferase

Markers: tetR

Promoters: none

Replicon: RSF1010 (IncQ)

Terminator: rpoC

Growth Conditions

Medium:

ATCC Medium 1273: LB medium (ATCC medium 1065) with 20 mcg/ml tetracycline

Temperature: 37°C

Notes

Restriction digests of the clone gave the following sizes (in kb): BamHI 12.5 ; EcoRI

9.0, 2.3, 1.2, 0.6, 0.25 ; PstI/BglII 10.0, 2.4.

ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pAL4000 Plasmid in *Escherichia coli* (ATCC 77192)

References

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

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Revision

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