



# pBSL14

## 87127™

Product Sheet

### Description

**Organism:** Tn5

**Clone type:** Vector

**Host:** *Escherichia coli* HB101 (ATCC 33694)

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### Storage Conditions

**Product format:** Freeze-dried

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### 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.

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### 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 (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.

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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](http://www.atcc.org).

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### Insert Information

**Insert size (kb):** 1.2

**Type of DNA:** genomic

**Genome:** Tn5

**Target gene:** aminoglycoside phosphotransferase

**Gene name:** aminoglycoside phosphotransferase

**Gene product:** aminoglycoside phosphotransferase(kanamycin resistance, neomycin resistance) [aph]

**Gene symbol:** nptII; aph; kanR; neoR

**Contains complete coding sequence:** Yes

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### Vector Information

**Construct size (kb):** 3.900000095367432

**Intact vector size:** 2.686

**Vector name:** pUC18

**Type of vector:** cosmid

**Construction:** pUC71K; pUC18, pK18

**Host range:** *Escherichia coli*

**Vector information:**

Cross references: DNA Seq. Acc.: L08752

**Cloning sites:** HindIII; SphI; PstI; SalI; Accl; HincII; XbaI; BamHI; SmaI; KpnI; SacI; EcoRI

**Insert detection:** lacZ', <-

**Markers:** kanR; ampR

**MCS:** HindIII...EcoRI, ->; HindIII...NheI

**Polylinker sites:** HindIII; SphI; PstI; SalI; Accl; HincII; XbaI; BamHI; SmaI; KpnI; SacI; EcoRI

**Replicon:** pMB1

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### Growth Conditions

**Medium:**

ATCC Medium 1948: LB medium (ATCC medium 1065) with 50 mcg/ml ampicillin and 20 mcg/ml kanamycin

**Temperature:** 37°C

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**Notes**

Restriction digests of the clone give the following sizes (kb):

EcoRI/HindIII--2.8, 1.1; HindIII--2.8, 1.1; BamHI--2.7, 1.2.

- ATCC staff

The nptII gene was modified by site-directed mutagenesis to remove PstI and SphI sites.

- BioTechniques 18: 52-55, 1995

Plasmid with an easily purified kanR cassette (flanked by direct repeats of the pUC18 multiple cloning site) for use in construction.

- BioTechniques 18: 52-55, 1995

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**Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: pBSL14 (ATCC 87127)

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**References**

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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