



pBSL168

87149™

Product Sheet

Description

Organism: *Escherichia coli* (Migula) Castellani and Chalmers

Clone type: Vector

Host: *Escherichia coli* DH5

Storage Conditions

Product format: Freeze-dried

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 (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.

Insert Information

Insert size (kb): 1.2

Type of DNA: genomic

Genome: Escherichia coli

Target gene: wild type beta-lactamase

Gene name: wild type beta-lactamase

Gene product: wild type beta-lactamase [bla]

Gene symbol: bla

Contains complete coding sequence: Yes

Insert end: mLul

Vector Information

Construct size (kb): 3.357000112533569

Intact vector size: 2.200

Vector name: sBSL150

Type of vector: plasmid

Construction: pSU18

Host range: *Escherichia coli*

Vector end: mLul

Coding sequence: bla (ampR)

Markers: cmlR; ampR

MCS: SacI...KpnI mLul, ->; mLul KpnI...SacI, ->

Polylinker sites: KpnI; ApaI; XhoI; Sall; ClaI; HindIII; EcoRV; EcoRI; PstI; SmaI; BamHI;

SpeI; XbaI; NotI/EagI; BstXI; SacII; SacI; mLul

Promoters: *In vitro* transcription: T7 (phi10)

Replicon: p15A

Growth Conditions

Medium:

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

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--2.0, 1.35; EcoRI--2.05, 1.25; mLul--2.1, 1.15; SstI--1.9, 1.4; NcoI/BamHI--1.4, 1.1, 0.9; NotI/Scal--1.1, 0.9, 0.8, 0.7.

- ATCC staff

Plasmid useful for vector construction and generation of marked deletions and insertions in cloned DNA in vitro. Contains a beta-lactamase (ampR) cassette flanked by multiple cloning sites duplicated in inverted orientation.

- Gene 160: 63-67, 1995

The PstI and HincII sites in the bla gene have been removed.

- Gene 160: 63-67, 1995

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pBSL168 (ATCC 87149)

References

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

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