# pEX100T

**87436™**

## Description

Description of vector pUC19Sce component :Intact vector size (in kb) : 2.686Type of vector : plasmidGenbank Accession : U17499Vector ends : NdeI modfication : blunt endedCloning sites : SmaIConstruction : pUC19Features (with orientation and location, if known) : Coding sequence : lacZα, ß, 146-469 Restriction site : I-SceI, 418 Restriction site : SmaI, 426 Restriction site : I-SceI, 442 Replicon : pMB1, 862 Marker : ampR, 1626-2486

**Organism:** *Bacillus subtilis* subsp. *subtilis* (Ehrenberg) Cohn

**Clone type:** Vector

**Shipping information:** *Escherichia coli* containing the plasmid in glycerol stock

## 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 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

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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.

## Insert Information

**Insert size (kb):** 1.8999999999999999
**Type of DNA:** cDNA
**Target gene:** levansucrase
**Gene product:** levansucrase [oriT]

## Vector Information

**Construct size (kb):** 5.846000194549561
**Vector name:** pEX100T (plasmid)
**Construction:** pUC19Sce, pEM5, pMOB2
**Coding sequence:** lacZalpha
**Markers:** sacB; ampR
**Replicon:** oriT; pMB1
**Restriction sites:** I-SceI; SmaI
**Terminator:** rrnB T1
**Transcription terminator:** rrnB T1; rrnB T2

## Growth Conditions

**Medium:**

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
**Temperature:** 37°C

## Notes

The ClaI restriction recognition site located at bp 2093 is subject to dam methylation (gATCGAT) in its distribution host DH5αF. Restriction digests of the clone gave the following sizes (in kb): ClaI 5.6, 0.4 ; ScaI 6.0 ; SmaI 6.0 ; AvaI 6.0. ATCC Staff

## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pEX100T (ATCC 87436)

## 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 2022-10-22

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