



# pCN51

## 77100™

### Description

A *Pseudomonas/E. coli* shuttle vector. This vector contains the basic replicon of pPS10 which has been sequenced (EMBL accession number X58896). The repA portion is flanked by EcoRI sites (nt 536 and 1500) with the site at nt 536 between the repA promoter and coding sequences. This vector is a spontaneous deletion derivative of pCN50 (ATCC# 77099). It retains the mobilization site of pBR322-derived vectors and can be mobilized if suitable functions are provided in trans. The order of major features in this plasmid is: PvuII ? pMB1 ori ? BamHI ? kanR ? HindIII ? repA.

**Clone type:** Vector

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

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### Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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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

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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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## Vector Information

**Construct size (kb):** 5.9000000095367432

**Vector name:** pCN51 (plasmid)

**Type of vector:** plasmid

**Construction:** pCN50

**Markers:** kanR

**Replicon:** repA; pMB1

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## Growth Conditions

**Medium:**

ATCC Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin

**Temperature:** 37°C

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## Notes

Restriction digests of the clone gave the following sizes (in kb): BamHI/HindIII 4.4, 1.4 ;EcoRI 4.8, 1.0 ; PvuII 5.8.

ATCC Staff

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pCN51 (ATCC 77100)

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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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