



# PAL500 Plasmid in *Escherichia coli*

39782™

## Description

**Clone type:** Clone

**Host:** *Escherichia coli*

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**Patent number:**

4,742,004

**Technical information:** ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

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## Storage Conditions

**Product format:** Freeze-dried

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## Intended Use

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## BSL 1

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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:** cDNA

**Genome:** bovine

**Chromosome:** 19

19

**Gene name:** growth hormone

**Gene product:** growth hormone [GH]

**Gene symbol:** GH

**Contains complete coding sequence:** Unknown

**Insert end:** EcoRI; PstI

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## Vector Information

**Construct size (kb):** 5.5

**Intact vector size:** 4.363

**Vector name:** pBR322

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**Type of vector:** plasmid

**Construction:** pBR313

**Host range:** *Escherichia coli*

**Vector end:** EcoRI; HindIII

**Vector information:**

Cross references: DNA Seq. Acc.: J01749

**Cloning sites:** EcoRI; ClaI; HindIII; EcoRV; BamHI; SphI; SalI; XmaIII; NruI; BspMI; BsmI; StyI; Aval; Ball; BspMII; PvuII; Tth111I; NdeI; AflIII; PpaI; PstI; PvuI; Scal; SspI; AatII

**Markers:** ampR; tetR

**Replicon:** pMB1

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## Growth Conditions

**Medium:**

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

**Temperature:** 30°C

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## Notes

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

EcoRI/HindIII--4.4, 1.1; EcoRI--4.4, 1.1; SalI--5.6.

- ATCC staff

Insert contains internal PstI site. Similar to pHG44 (ATCC 39806); this clone has no promoter or terminator.

- U.S. Pat. 4,742,004 dated May 3, 1988

.patent

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the

following manner: PAL500 Plasmid in *Escherichia coli* (ATCC 39782)

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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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## Revision

# **PAL500 Plasmid in *Escherichia coli***

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Product Sheet

This information on this document was last updated on 2025-05-05

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