pLA2920

39841™

Description

Clone type: Vector
Host: *Escherichia coli* HB101 (ATCC 33694)
Patent depository: This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.
Patent number:
4,824,786
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.

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.

Vector Information

Construct size (kb): 20.0
Vector name: pLA2920 (cosmid)
Construction: pRK290, pMF517 cos
Enhancer: none
Markers: tetR
Promoters: none
Replicon: oriV

Growth Conditions

Medium:
ATCC Medium 1273: LB medium (ATCC medium 1065) with 20 mcg/ml tetracycline
Temperature: 30°C

Notes

Restriction digests of the clone give the following sizes (kb): PstI--20.0; HindIII--20.0; BglII--20.0; EcoRI--17.0; 2.6. IMPORTANT: To prevent amplification of a rearranged and/or deleted cosmid, we recommend streaking on LB + amp plates at 30C and picking small colonies for liquid culture.
- ATCC staff

This is a cosmid with a broad host range that can be used to characterize the genome of C1-utilizing microorganisms. This vector transfers efficiently to a broad host range including Escherichia coli HB101, Methylobacterium organophilum DSM 761, Pseudomonas AM1, Pseudomonas putida, and Pseudomonas aeruginosa. This
was constructed from pLA2917 (ATCC 39840) by deleting the kanamycin resistance segment from Tn5 to avoid internal rearrangement when the transposon moves and to permit selection of conjugants that have a Tn5 insertion.
- U.S. Pat. 4,824,786 dated Apr. 25, 1989

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pLA2920 (ATCC 39841)

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 2025-05-05

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