RF305 Plasmid in *Escherichia coli* MC1061

39261™

Description

Organism: *Salmonella enterica*
Clone type: Clone
Host: *Escherichia coli* MC1061; 3943B
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:
4,689,295
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.

Insert Information

Insert size (kb): 9.4000000000000004
Type of DNA: genomic
Genome: Salmonella choleraesuis subsp. choleraesuis serovar Typhimurium
Gene name: species-specific DNA, non coding
Gene product: species-specific DNA, non coding
Contains complete coding sequence: Unknown

Vector Information

Construct size (kb): 20.0
Intact vector size: 10.667
Vector name: YEp13
Type of vector: plasmid
Construction: pBR322, Saccharomyces cerevisiae LEU2, 2 micron ori
Host range: *Saccharomyces cerevisiae*; *Escherichia coli*
Vector end: BamHI

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Vector information:
Features (with orientation and position when available):
Cross references: DNA Seq. Acc.: U03498
Cloning sites: BamHI; PvuII; XhoI
Enhancer: none
Markers: LEU2; ampR; tetR
Replicon: pMB1, 2540-2540; 2 micron, →, 8988-10329
Terminator: none

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): EcoRI--10, 4.5, 3.6, 2.3; BamHI--11, 3.6, 3.1, 2.8.
- ATCC staff

Insert contains BamHI (3), EcoRI (1), and BglII (3) sites.
- U.S. Pat. 4,689,295 dated Aug. 25, 1987

Can be used to detect many Salmonella sequences in food samples. Hybridizes to most Salmonella isolates but not other Enterobacteriaceae.
- unknown

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: RF305 Plasmid in *Escherichia coli* MC1061 (ATCC 39261)

References

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

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Revision

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