



RF305 Plasmid in *Escherichia coli* MC1061

39261™

Description

Organism: *Salmonella enterica*

Clone type: Clone

Host: *Escherichia coli* MC1061; 3943B

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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

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39261

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.

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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39261

Product Sheet

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

39261

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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39261

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Revision

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39261

Product Sheet

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