



# pMDY1 phagemid in *E. coli*

99544™

## Description

Insert is a probe that can detect the GCT triplet expansion characteristic of myotonic muscular dystrophy on *Ban*I, *Nco*I or *Taq*I digested genomic DNA--  
*Science* 255: 1256-1258, 1992.

Nucleotides 1-1377 of the insert correspond to nucleotides 9571-10948 of  
Genbank L00727.

**Clone type:** Clone

**Host:** *Escherichia coli*

**Shipping information:** *Escherichia coli* containing the plasmid

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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

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.

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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):** 1.377

**Insert information:**

**Source:** Human

**Genbank accession:** L00727 (see above)

**Contains complete coding sequence ?:** N

**Insert ends:** BamHI

**Gene name:** dystrophia myotonica

**Gene symbol:** DM

**Contains complete coding sequence:** No

**Insert end:** BamHI

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### **Vector Information**

**Construct size (kb):** 4.335

**Intact vector size:** 2.96

**Vector name:** pBluescript

**Type of vector:** phagemid

**Vector information:** Excise insert: BamHI

Insert site(s): BamHI

**Markers:** ampR

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## Growth Conditions

**Medium:**

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

**Temperature:** 37°C

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## Handling Procedures

Aseptically add 0.3 to 0.4 mL of liquid medium to the freeze-dried pellet and mix well. Transfer 100 µL to a test tube containing 5 mL LB + 50 µg/mL of ampicillin. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

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## Notes

Restriction digests of the clone gave the following sizes (in kb): BamHI2.9, 1.4; HindIII4.4; SmaI3.8, 0.46.

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: pMDY1 phagemid in *E. coli* (ATCC 99544)

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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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Product Sheet

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