



Product Sheet

PGW10 PLASMID DNA (40167)

Please read this **FIRST**



Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

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U.S. Patent Number:
5,180,673

Technical Information

ATCC Technical Services does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found on the international or [U.S. patent office](#) websites.

Product Description

Designation: PGW10 PLASMID DNA

Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

SAFETY PRECAUTION

ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vessel exploding or blowing off its cap with dangerous force creating flying debris.

Unpacking & Storage Instructions

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below -130°C , preferably in liquid nitrogen vapor, until ready for use.

Comments

Restriction digests of the clone give the following sizes (kb): HindIII--5.2, 4.8, 0.85, 0.5; BamHI--6.8, 4.3; EcoRI--6.8, 4.3; PvuII--11.6.

The insert contains the following restriction sites (approximate kb from the 5' HindIII site): BamHI--2.5; NsiI--2.9, 9.5; ScaI--7.9; EcoRI--8.0.

The plasmid contains the following restriction sites (starting at the EcoRI site proceeding through the pBR322 sequences): HindIII--29, 5192, 9997, 10561, 10686; BamHI--375, 7601; Sall--651; PvuII--2066; PvuI--3735, 8889; EcoRI--1, 4361.

Expression vector encoding cl857.

Distributed in aliquots of 2 ug (40 ng/ul).

The 4.3 kb BamHI fragment contains the PL and PR promoters, the cl857 gene, and 375 bp of pBR322 sequence.

The order of the major features in this plasmid is: EcoRI site - tetR - pMB1 ori - bla - bacteriophage lambda sequences Q, N, PR, rex, cl857, PR, Cr, O.

Propagation

References

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



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Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

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