



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Pneumocystis carinii pGN-PC-dhfr Plasmid Clone

Catalog Number: 1902

Lot Number: 1 1061

Release Category: A

Provided: 1 bacterial stab containing ampicillin- and neomycin-resistant bacteria.

Description: The HindIII-BamHI fragment from *P. carinii* clone pPC-dhfr-EX9/21-6 (Catalog #1903) was cloned into pGN. Contains a 0.65 kb insert encoding the *P. carinii dhfr* gene cloned into the plasmid pGN. The final construct is 6.5 kb.

Special Characteristics: This vector can be used for eukaryotic expression of *P. carinii* DHFR under the control of the β -globin promoter. Protein can be expressed using CH/dhFr- cells (ATCC CRL 9096). The current vector, MC1061F⁻ is rec⁻; for long term storage, this plasmid should be transfected into a recA⁻ bacterial host.

Genbank accession no.: M26495, M26496.

Recommended Storage: 4-8°C.

Contributor: Division of AIDS, NIAID; produced by BioTechnology General.

References: Edman JC, Edman U, Cao M, Lundgren B, Kovacs JA, and Santi DV. Isolation and expression of the Pneumocystis carinii dihydrofolate reductase gene. *Proc Natl Acad Sci USA* **86**:8625-8629, 1989.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: *Pneumocystis carinii* pGN-PC-dhfr Plasmid Clone from the Division of AIDS, NIAID."

Last Updated: June 21, 2013

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

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