



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Pneumocystis carinii pPC-dhfr EX9/21-6 Expression Vector

**Catalog Number:** 1903

**Lot Number:** 1 4300

**Release Category:** A

**Provided:** 1 bacterial stab containing ampicillin-resistant bacteria.

**Description:** DNA was assembled using DNA oligomers, according to the sequence published in Edman et al. Contains a 624 bp insert encoding the *P. carinii dhfr* gene cloned into the NdeI-BamHI site of the plasmid pAPS. The final construct is 3 kb.

**Special Characteristics:** pPC-dhfr EX9/21-6 is a prokaryotic *P. carinii dhfr* expression vector. Bacterial cultures should be grown at 30°C. Protein expression is induced by incubating the culture at 42°C for 2 hours. The CI<sub>857</sub> repressor is supplied by the bacterial host.  
  
Genbank accession no.: M26495, M26496.  
  
Bacterial Host: *E. coli* 4300F<sup>-</sup> (bio<sup>-</sup>, CI<sub>857</sub>).

**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* pPC-dhfr EX9/21-6 Expression Vector from the Division of AIDS, NIAID."

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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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