pMC1neo and pMC1neo Poly A Vectors

INSTRUCTION MANUAL

Catalog #213201
Revision A

For In Vitro Use Only
213201-13

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pMC1neo and pMC1neo Poly A Vectors

MATERIALS PROVIDED

Material Provided	Quantity
pMC1neo	(25 µg)
pMC1neo poly A	(25 µg)
AG1 Strain: *recA1, endA1, gyrA96, thi-1, hsdR17,* (r_k–, m_k+), *supE44, relA1,* (uncharacterized mutation improves transformation efficiency)	0.5 ml

STORAGE CONDITIONS

Vectors: –20°C
AG1 Strain (Bacterial Glycerol Stock): –80°C

VECTOR SEQUENCES

The complete sequence and list of restriction sites for the pMC1neo and pMC1neo Poly A vectors are available at *www.stratagene.com.*

PREPARATION OF HOST CELLS

The host strain has been sent as a glycerol stock. For the appropriate media and plates, please refer to the following table:

Bacterial strain	Plates for bacterial streak	Media for glycerol stock
AG-1	LB agar	LB agar

On arrival, prepare the following from the glycerol stock:

Note *Do not allow the contents of the vial to thaw. The vials can be stored at –20 or –80°C, but most strains remain viable longer if stored at –80°C.*

1. Revive the stored cells by scraping off splinters of solid ice with a sterile wire loop.

2. Streak the splinters onto an LB agar plate. Restreak the cells fresh each week.

Revision A

PREPARATION OF A –80°C GLYCEROL STOCK

1. In a sterile 50-ml conical tube, inoculate 10 ml of the appropriate broth with one or two colonies from the plate. Grow the cells to late log phase.

2. Add 4.5 ml of a sterile glycerol–broth solution (5 ml of glycerol + 5 ml of broth) to the bacterial culture from step 1. Mix well.

3. Aliquot into sterile centrifuge tubes (1 ml/ tube).

This preparation may be stored at –20°C for 1–2 years or at –80°C for more than 2 years.

Vector Maps

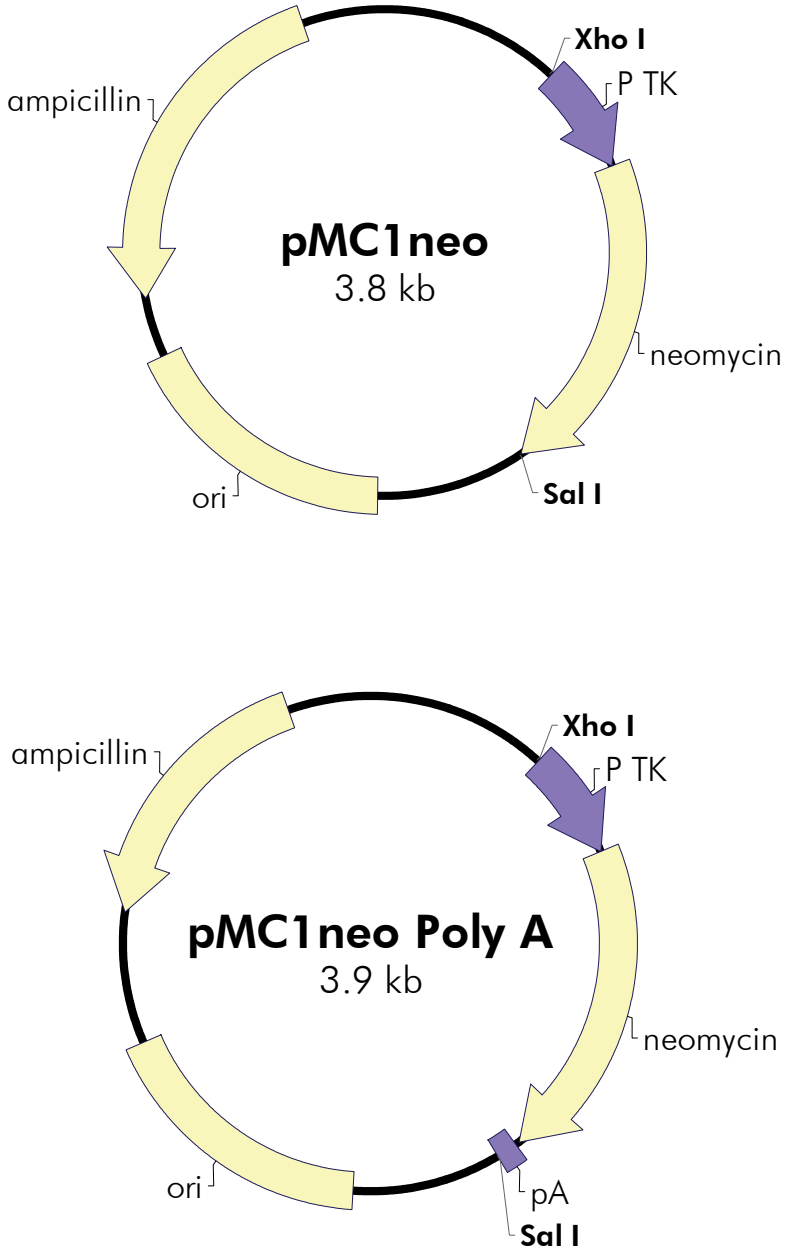

FIGURE 1 Map of the pMC1neo vector (top) and pMC1neo Poly A vector (bottom). The complete sequence and list of restriction sites for the vectors are available at *www.stratagene.com*.

PREPARATION OF MEDIA AND REAGENTS

LB Broth (per Liter)	LB Agar (per Liter)
10 g of NaCl 10 g of tryptone 5 g of yeast extract Add deionized H_2O to a final volume of 1 liter Adjust to pH 7.0 with 5 N NaOH Autoclave	10 g of NaCl 10 g of tryptone 5 g of yeast extract 20 g of agar Add deionized H_2O to a final volume of 1 liter Adjust pH to 7.0 with 5 N NaOH Autoclave Pour into petri dishes (~25 ml/100-mm plate)

REFERENCE

1. Thomas, K. R. and Capecchi, M. R. (1987) *Cell* 51(3):503-12.

MSDS INFORMATION

The Material Safety Data Sheet (MSDS) information for Stratagene products is provided on the web at *http://www.stratagene.com/MSDS/*. Simply enter the catalog number to retrieve any associated MSDS's in a print-ready format. MSDS documents are not included with product shipments.