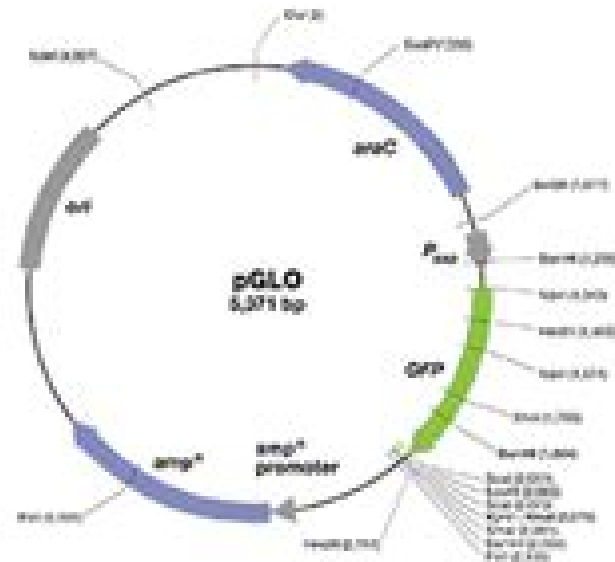


pGLO Plasmid

[Download pGLO Map and Sequence \(PDF\)](#)

[Download pGLO Sequence \(.txt\)](#)



Bio-Rad's pGLO plasmid contains DNA sequences that enable its replication and expression of the fluorescent trait (phenotype) in bacteria following transformation. The essential sequences include the following:

- **GFP** – jellyfish gene that encodes green fluorescent protein (GFP)
- **ori** – origin of pGLO plasmid DNA replication (essential for making more copies of the plasmid)
- **bla** – gene that encodes β -lactamase, an enzyme that breaks down the antibiotic ampicillin; transformants expressing the **bla** gene can be selected by placing ampicillin in the growth medium
- **pBAD promoter** – binds AraC-arabinose and promotes RNA polymerase binding and transcription of the **GFP** gene
- **araC** – gene that encodes the regulatory protein that binds to the pBAD promoter; only when arabinose binds to the AraC protein is the production of GFP switched on
- **Multiple cloning site** – a region containing restriction sites (NotI, HindIII, EcoRI, etc.), sequences that permit the insertion or deletion of a gene of interest

Bacteria transformed with the pGLO plasmid are selected by ampicillin resistance and when induced to express GFP, they glow fluorescent green under UV light!

Plasmid P Ceneo Manual

M Lipman



Plasmid P Ceneo Manual:

The Enigmatic Realm of **Plasmid P Ceneo Manual**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **Plasmid P Ceneo Manual** a literary masterpiece penned by a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those that partake in its reading experience.

https://crm.avenza.com/data/Resources/default.aspx/Second_Grade_Opion_Piece_Writing_Rubric.pdf

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