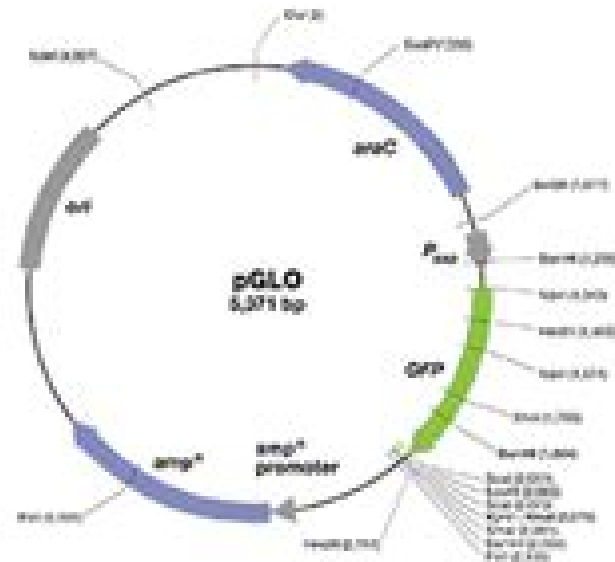


pGLO Plasmid

[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

Michael Seilmaier



Plasmid P Ceneo Manual:

Plasmid P Ceneo Manual: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the engaging narratives that have captivated audiences this year. Plasmid P Ceneo Manual : Colleen Hoover's "It Ends with Us" This poignant tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Plasmid P Ceneo Manual : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and suspenseful novel that will keep you speculating until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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