

Plasmid DNA Platform

BROUGHT TO YOU BY
3PBIOVIAN



Plasmid DNA (pDNA) is a critical raw material for viral vector production, such as adeno-associated virus (AAV), as well as non-viral gene therapy, and DNA or mRNA vaccine development. Whether you need **research-grade (RG)**, **high-quality (HQ)**, or **GMP-grade pDNA**, we deliver the experience and quality your project needs.

1) Research and GMP-grade Cell Banks

- DH5 α , Stable, or 10 β *E. coli* strains
- Starting from a sequence or a plasmid

2) Upstream Processes

- RG shake flask or bioreactor
- HQ fermentation at 20 – 40 L
- GMP fermentation up to 200 L
- Harvesting by centrifugation or TFF
- Alkaline lysis



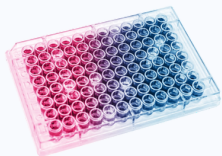
3) Downstream Processes

- RG rapid purification
- In-house chromatographic purification platform for HQ and GMP
- Custom processes



4) Fill and Finish (HQ and GMP)

- Standard and custom formulations
- Fill and Finish
- Labelling



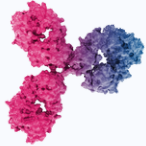
5) Quality Control (HQ and GMP)

- IPC and release testing
- HQ or GMP level certifications
- Analysis and TSE/BSE certificate
- Stability studies



DRUG SUBSTANCE + DRUG PRODUCT

Pre-clinical | Phase I | Phase II | Phase III | Commercial



PROTEINS



CELL THERAPIES



VIRAL VECTORS



PLASMID DNA

About us

We are a global CDMO, committed to making advanced biologics and tomorrow's life-transforming therapies. We are proud to support our customers at every stage of their journey, from early-stage development through commercialization.

Our service offerings include Microbial and Mammalian Protein Expression Platforms, Viral Vector production for Adenovirus and AAV, Cell Therapy, and Plasmid DNA Production. Additionally, we provide Aseptic Fill & Finish services.

