



# Plasmids

MEETING ALL QUALITY STANDARDS



## Getting you to the answer. Faster.

**Aldevron makes high quality  
plasmids supporting:**

Viral Vectors (AAV, Lentivirus)

DNA Vaccines

CAR-T Cell Therapy

Gene Editing

Cloning & DNA Synthesis

High Throughput Screening

mRNA production



# Aldevron makes the highest quality biologics.

Your programs are important, and your time is valuable. Aldevron is a responsive and reliable resource of plasmid DNA for research, pre-clinical and commercial use. We are ready to be your basis for breakthroughs.

## Plasmids DNA

Aldevron has proven experience with an extensive range of plasmid DNA projects.

- Viral Vector (AAV, Lentivirus)
- DNA Vaccines
- CAR-T Cell Therapy
- Gene Editing
- Cloning & DNA Synthesis
- High Throughput Screening
- mRNA Production

## Capabilities

Regardless of the number of constructs, you can count on reliable plasmid DNA for research, pre-clinical, clinical and commercial uses.

Including:

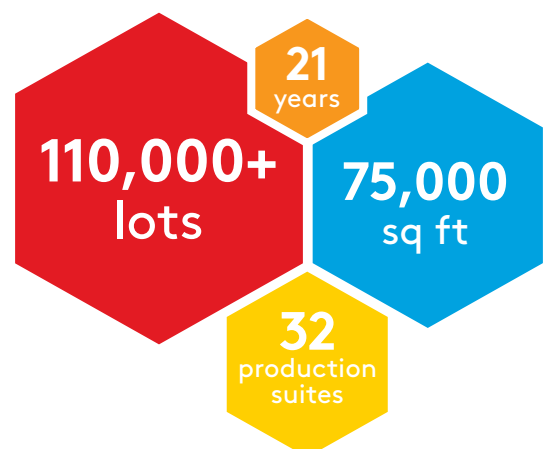
- Supercoiled Plasmid DNA
- Linearized Plasmid DNA
- Minicircle Plasmid DNA
- Nanoplasmid DNA
- Bacmid Plasmid DNA

Aldevron has research grade capacity for thousands of small-scale plasmid preps per day, and large-scale capacity for manufacturing under our research grade, GMP-Source™ and cGMP service levels.

## Capacity

Aldevron has the world's largest and most advanced plasmid DNA manufacturing facility offering unparalleled cGMP capacity and flexibility for clinical and commercial production. Some of the highlights include:

- Four production trains across 32 suites
- 17,000 square feet of state-of-the-art modular clean-rooms with single-pass air cell banking, inoculations and fill/finish
- Advanced independent air-handling system, unidirectional personnel flow and airlocks within the cGMP area
- Supporting areas: climate-controlled warehouse, quality control testing laboratory, large interior mezzanine for validated utilities
- Multiple bacterial fermentation scales:
  - Shake Flask
  - 10L
  - 30L
  - 300L
  - 2000L (Expansion Available)





We make our plasmids at different service levels to meet your requirements. Research grade is the quickest option for high quality plasmid DNA. GMP-Source™ is a cost effective alternative to cGMP. Our cGMP service provides the highest quality oversight, process control and can support any application, including parenteral administration.

## The Aldevron Process

	Research Grade	GMP-Source™	cGMP
Growth via shake flask or high-density fermentation	✓	✓	✓
Alkaline lysis	✓	✓	✓
Chromatographic purification	✓	✓	✓
Certificate of Analysis (CoA)	✓	✓	✓
Consistent manufacturing process	✓	✓	✓
Screening for optimal growth conditions	✓	✓	✓
<i>E. coli</i> master cell bank generation		✓	✓
Manufacturing summary report		✓	✓
TSE/BSE statement		✓	✓
Validated quality assurance oversight		✓	✓
Development/engineering work prior to banking and growth			✓
Validated change control systems			✓
Project specific master batch records			✓
	Quickest option for high quality plasmid DNA	Faster, cost-effective cGMP alternative	Highest level of quality and customization

## Contact us about Aldevron Plasmids

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Additional facilities in Madison, WI and Freiburg, Germany

Visit: [aldevron.com/contact](http://aldevron.com/contact)



For the last 21 years, Aldevron has been a proud partner of the biotechnology industry through the production of:

- Plasmid DNA at any scale, with fast turnaround times
- Proteins in bacterial, insect and mammalian expression systems
- mRNA to your specifications using a robust and scalable process
- Novel antibodies using our genetic immunization technology

Aldevron supports research-use production through commercialization.