



# Plasmid DNA

MEETING ALL QUALITY STANDARDS



**Innovative Science.  
Consistent Biologics.  
Experienced Partner.**

**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.

## Plasmid 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

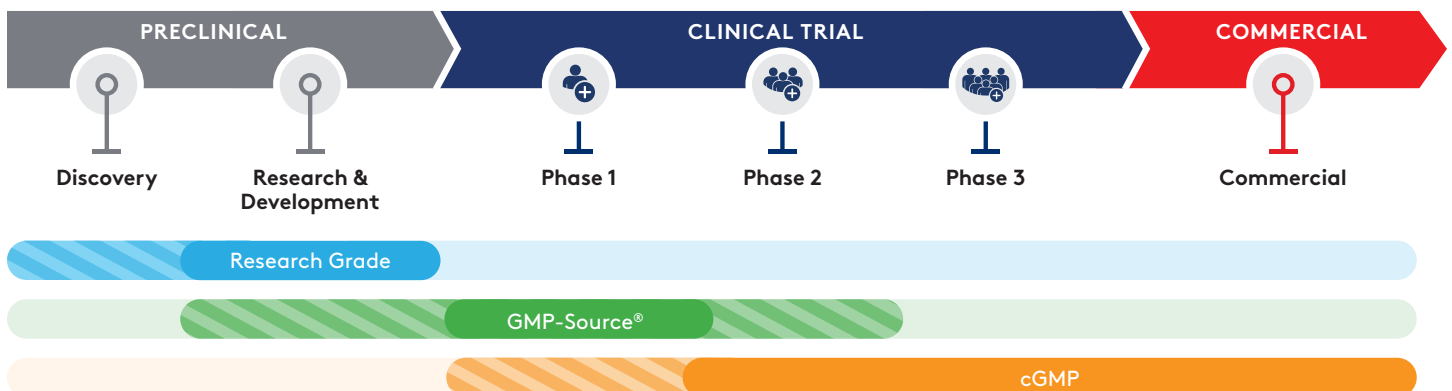
## Capabilities

Regardless of the number of constructs, you can count on reliable plasmid DNA for research, pre-clinical, clinical and commercial uses. Our platform includes supercoiled and linearized pDNA, as well as nanoplastids and bacmid DNA.

## Capacity

Aldevron has responded to an anticipated increase in the needs of its clients by committing to more than double the size of its GMP facility. When complete, the facility will have more than 50 production suites containing single-use bioreactors.

- 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



 Alternative Client Selection

 Primary Client Selection

The service levels outlined above are a visual representation of possible client selections. Aldevron does not recommend service levels.



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

## Contact us about Aldevron Plasmids

4055 41<sup>st</sup> Avenue South, Fargo, ND 58104 USA

+1 (701) 297-9256 Toll-free (U.S. and Canada): +1 (877) 787-3362

Additional facility in Madison, WI

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



Since 1998, Aldevron has been proud to support novel therapies and vaccines with the supply of plasmid DNA, RNA, and proteins. Produced to our clients specifications using a robust and scalable process, these biologics are available for research or manufactured using cGMP for clinical trials and commercial applications.