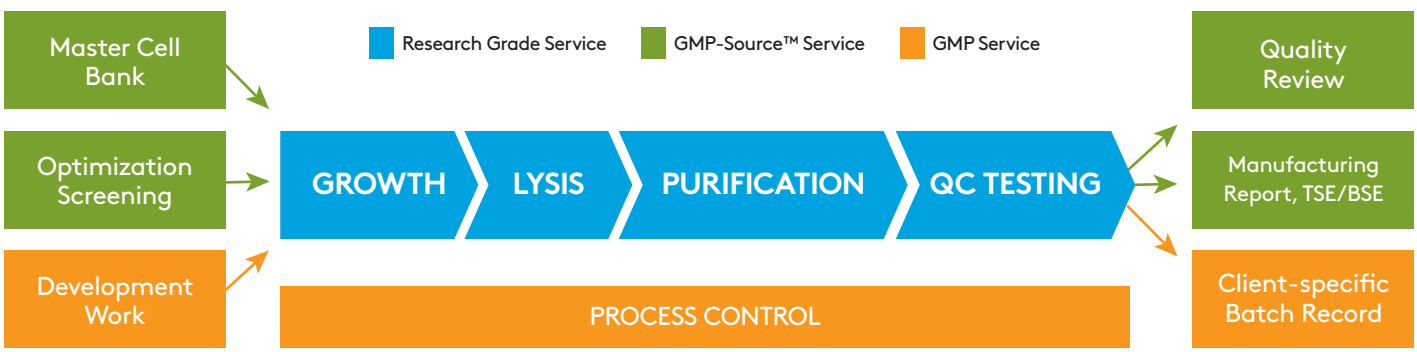
Plasmids meeting all quality standards

Plasmid DNA for research, preclinical, and clinical applications scaled to fit projects of any size.

Aldevron has been perfecting plasmid DNA production for more than 20 years, using proprietary technology to manufacture DNA for research, preclinical, clinical, and diagnostic applications. We offer research grade, GMP-Source™ and GMP service levels.

Whether you require 1mg of DNA for a research study or 100g for a clinical trial, our goal is to be your vendor of choice and provide you with the most affordable, high-quality plasmid DNA manufacturing services that meet your requirements.



PLASMID SERVICES, DESIGNED FOR YOU

- High-quality plasmid preps
  - Research grade, including standard preps, linearized vectors and minicircle DNA
  - GMP-Source, a faster and cost-effective alternative to GMP plasmids
  - GMP plasmid DNA, customized to your requirements
- Comprehensive and customizable QC panel
- Fast turnaround time for cost-saving opportunities
- Multiple end applications (transfection, *in vivo* delivery, virus production, etc.)
- Additional services including gene synthesis, sequencing, protein production and antibody discovery

Aldevron also offers a variety of plasmid DNA catalog items to assist you in your research. Many are in-stock and ready to ship immediately from storage in our secure and monitored facilities. Visit our website at www.Aldevron.com for more information.

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DNA@aldevron.com | 1 (701) 297-9256 | aldevron.com/plasmid

Plasmid Services FAQ

Q: What is Aldevron's plasmid DNA capacity?

A: Aldevron's research grade service has a high-throughput capacity for small scale services with a typical turnaround time of 5-7 days. Aldevron also specializes in large-scale manufacturing (GMP-Source™, GMP) with rapid turnaround times. All final material is delivered with a Certificate of Analysis and is ready for use in your application.

Q: What are your typical QC release tests?

A: Aldevron's QC release tests include: Research Grade: Idenity by agarose gel electrophoresis, Purity by A260/280, Residual host components (genomic DNA,RNA, and protein), and endotoxin by LAL assay. GMP-Source/GMP: Identity by agarose gel electrophoresis and sequencing, purity by A260/A280, residual host components (genomic DNA, RNA, and protein), sterility (USP <71> or Bioburden), and endotoxin by LAL assay. Aldevron performs a majority of QC testing internally, including Sanger sequencing.

Q: Do you have experience producing ITR-bearing plasmids?

A: Yes, Aldevron has ample experience manufacturing plasmids containing ITR regions for viral transfection. We have optimized host strain, growth media, and temperature combinations, resulting in greater ITR retention and increased yield.

Q: Do you use any animal-derived components in your process?

A: In our research-grade manufacturing facility we use bovine-derived RNAse A and Tryptone in certain manufacturing pathways. These materials are sourced from countries that are known to be TSE/BSE free. For our GMP-Source/GMP service all media and solutions are free of animal-derived components. For clients requiring animal-derived components we provide a raw material Certificate of Analysis stating the country of origin.

Q: Does Aldevron provide any other services?

A: Yes, Aldevron's other services include: linearization, mRNA, protein, recombinant antibody production, monoclonal antibody development, antibody sequencing, and gene synthesis. Aldevron is a single-solution provider of biologics wherein an Aldevron representative will manage any cross-platform project, this may include gene-to-pDNA, gene-to-protein, gene-to-antibody, and many others.

	Research Grade	GMP-Source™	GMP
Manufacturing via shake flask growth or high-density fermentation	X	X	X
Alkaline lysis	X	X	X
Chromatographic purification	X	X	X
Certificate of Analysis	X	X	X
Consistent Manufacturing Process	X	X	X
E. coli Master Cell Bank generation		X	X
Screening for optimal growth conditions		X	X
Manufacturing Summary Report, TSE/BSE statement		X	X
Quality oversight		X	X
Development/Engineering work prior to banking and growth			X
Process Control and Change Control			X
Client-specific Master Batch Records			X
	Quickest option for high quality plasmid DNA	Cost effective alternative to full GMP	Highest level of quality oversight and process control

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