

Plasmid Manufacturing Customized Services

KromaTiD's Plasmid Manufacturing Service offers plasmid DNA in a range of purity levels and amounts with fast turnaround and competitive pricing.

Our team can provide the best plasmid manufacturing service for multiple stages along the development pipeline, from research to IND filing to commercial manufacturing.

Key Features

- Three levels of purity: Research, Transfection and Low Endotoxin Grades
- Three production modes: research, pre-GMP and cGMP*
- A wide range of DNA amounts available from 100 µg to 100 mg
- Compatible with your materials; simply provide pDNA as frozen glycerol stock or stabs for cultures
- Fast turnaround and highly competitive pricing
- Standard documentation and QC provided
- Additional tests available on request

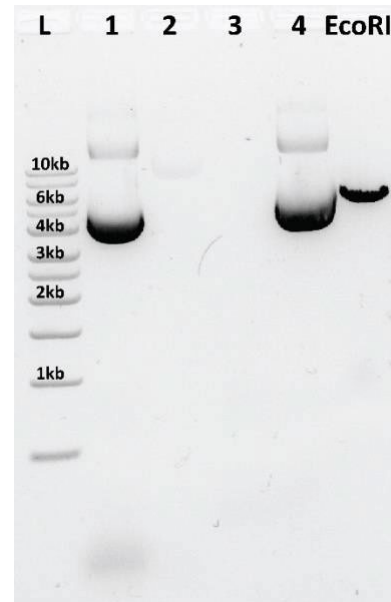
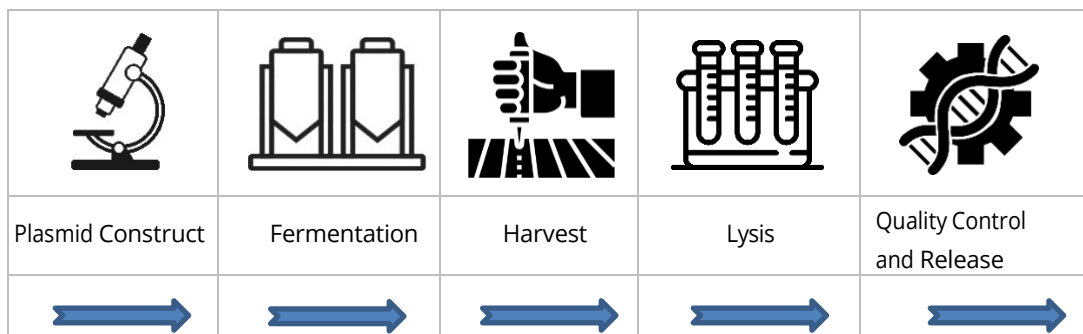


Figure 1. Analytical check of plasmid purification, pAAV-GFP. L: ladder, 1: cleared lysate, 2: lysate flow-through, 3: wash flow-through, 4: eluate, EcoRI: enzymatic digestion.



* cGMP plasmid manufacturing will be available in 2024 through partnerships with qualified manufacturers.

Plasmid Manufacturing Production Mode Comparison

Service Provided	Research	Pre-GMP	cGMP*
Cloning and Synthesis	✓	✓	✓
Multiple production scales (shake flask through fermenters)	✓	✓	✓
Proven manufacturing and purification processes for high yield and recovery	✓	✓	✓
Standardized manufacturing platforms	✓	✓	✓
Product release tests	✓	✓	✓
Production in segregated and dedicated space		✓	✓
Establishment and maintenance of working cell bank		✓	✓
Upstream process development (optimization of transformation and culture conditions, strain, etc.)		✓	✓
Downstream process development (optimization of purification and formulation conditions)		✓	✓
Document support for IND filing		✓	✓
Master Batch Records		✓	✓
Manufacturing in cGMP* suite with upgraded air handling			✓
Complete QC monitoring throughout production process			✓
QA Oversight for production			✓

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Quality Control

Catalog Number	Measurement Method	QC Measure	Specification	Research	Pre-GMP	cGMP*
KPM-024	UV Absorption	A260/280	1.8--2.0	Standard	Standard	Standard
KPM-025	UV Absorption	Concentration	> 0.25 mg/ml	Standard	Standard	Standard
KPM-026	Gel Restriction Digest	Restriction Digest	Matches reference	Standard	Standard	Standard
		Residual Genomic DNA	Not Visible	Standard	Standard	Standard
		ITR Integrity	No replication errors	As needed	As needed	As needed
		Residual RNA	Not Visible	Request	Standard	Standard
KPM-027	qPCR	Residual Genomic DNA	<5%	Request	Standard	Standard
KPM-028	qPCR	Mycoplasma	No Mycoplasma content	Request	Request	Request
KPM-029	Chromometric Test	Endotoxin Assay	< 0.1 EU/ug plasmid DNA	Request	Standard	Standard
KPM-030	BioBurden Assay	Colony detection	No colonies	Request	Request	Standard
KPM-023	NGS	Sequence Fidelity	Matches reference at 200X	Request	Standard	Standard
		ITR Integrity	No replication errors	As needed	As needed	As needed

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Custom QC services are available on request.

Pricing and Turn Around Times

Catalog Number	Product Description	TAT	List Price
KPM-021	pDNA Synthesis per DNA basepair	Inquire	Inquire
KPM-003	Research Grade up to 500 µg yield	5-10 days	\$348
KPM-004	Research Grade, 500 µg to 1 mg yield	5-10 days	\$359
KPM-005	Research Grade, 1 mg to 2.5 mg yield	5-10 days	\$412
KPM-006	Research Grade >2.5 mg yield	Inquire	Inquire
KPM-009	Transfection Grade up to 500 µg yield	5-10 days	\$461
KPM-010	Transfection Grade, 500 µg to 1 mg yield	5-10 days	\$669
KPM-011	Transfection Grade, 1 mg to 2.5 mg yield	5-10 days	\$803
KPM-012	Transfection Grade >2.5 mg yield	Inquire	Inquire
KPM-015	Low Endotoxin Grade up to 500 µg yield	5-10 days	\$574
KPM-016	Low Endotoxin Grade, 500 µg to 1 mg yield	5-10 days	\$835
KPM-017	Low Endotoxin Grade, 1 mg to 2.5 mg yield	5-10 days	\$961
KPM-018	Low Endotoxin-Grade >2.5 mg yield	Inquire	Inquire
KPM-019	Pre-GMP Grade up to 100 mg yield	Inquire	Inquire
KPM-020	cGMP* Grade up to 100 mg yield	Inquire	Inquire

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Customer Notification

1. All Products and Deliverables are supplied for internal scientific research purposes only and are not intended for i) human consumption, including, but not limited to, foods or pharmaceuticals, ii) diagnostic purpose including, but not limited to, human or veterinary *in vivo* or *in vitro* diagnostics, or use in cosmetics or other goods. Research purposes means *in vitro* laboratory studies or *in vivo* use in laboratory organisms only.
2. Products and Deliverables are supplied for the Customer's personal research activities and noncommercial use. Products and Deliverables must not be sold or otherwise redistributed without KromaTiD's consent.
3. KromaTiD's full Terms of Sale can be found on our website.



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