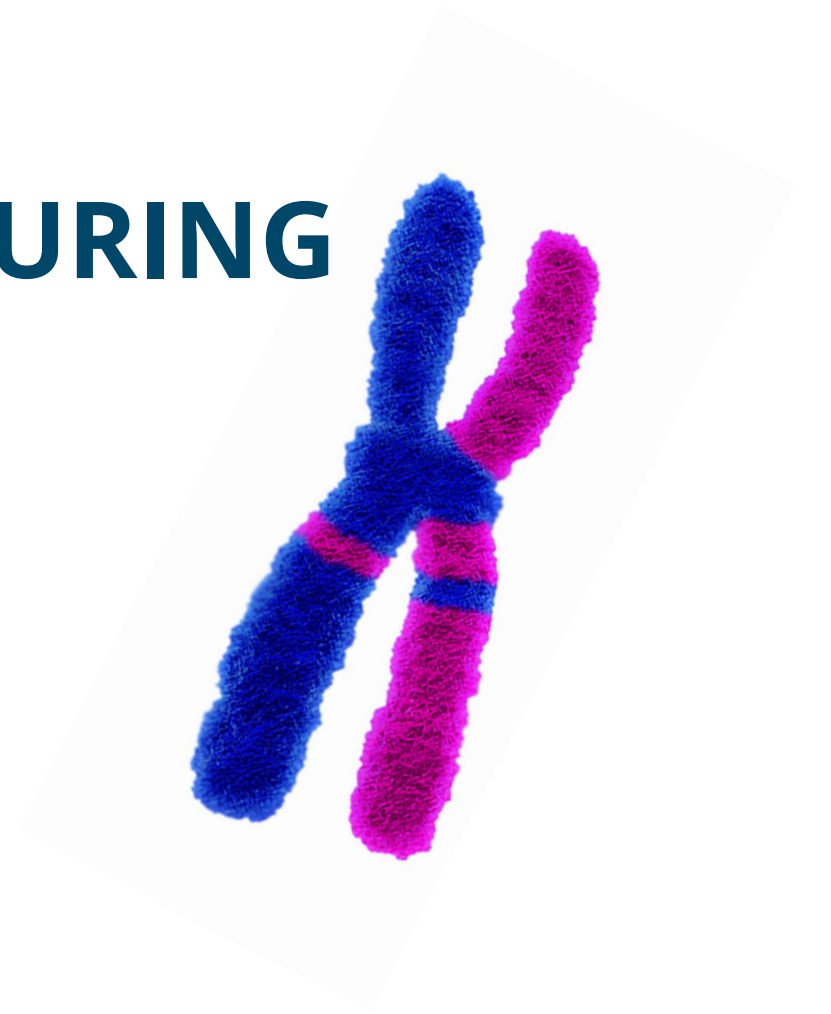


# PLASMID MANUFACTURING SERVICES



**KromaTiD**

Direct, Definitive Genomics



**KromaTiD**

Direct, Definitive Genomics

## Who We Are

A team of expert scientists providing unparalleled genomics tools, services and support.

Your partner for

- Biomarker discovery
- Genotoxicity studies
- Assessment of gene editing-associated errors
- Plasmid manufacturing

## Our Products

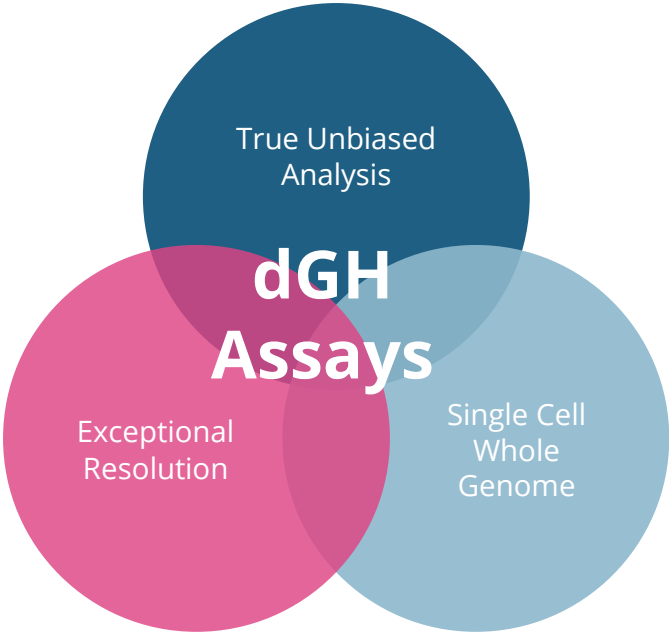
- Patented directional Genomic Hybridization™ (dGH™) technology
- An extensive collection (>700) of chromosome probes and paints
- Improve the sensitivity and specificity of your FISH assays

## Our Services

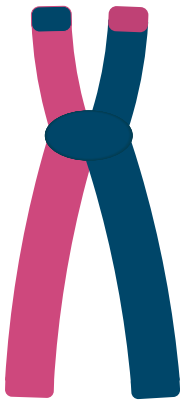
- FISH assays utilizing our patented Pinpoint FISH™ and dGH™ technology
- Plasmid manufacturing (RUO, pre-GMP & cGMP)
- G-banded karyotyping
- Cell culture



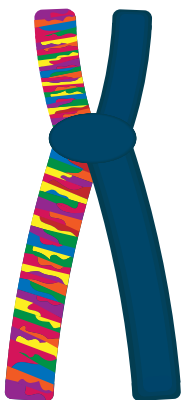
# KromaTiD Products and Services



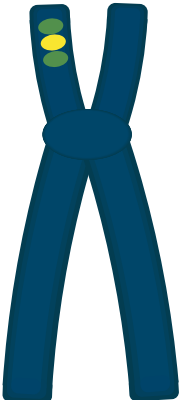
directional Genomic Hybridization (dGH™)



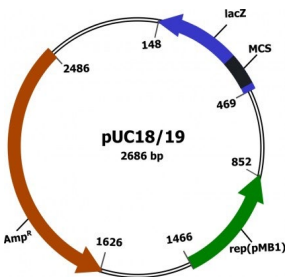
dGH SCREEN



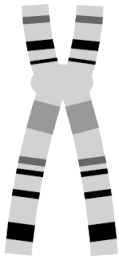
dGH DSCVR



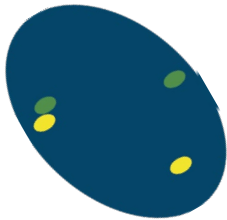
dGH In-Site



Plasmid Services



G-Banding  
Orthogonal

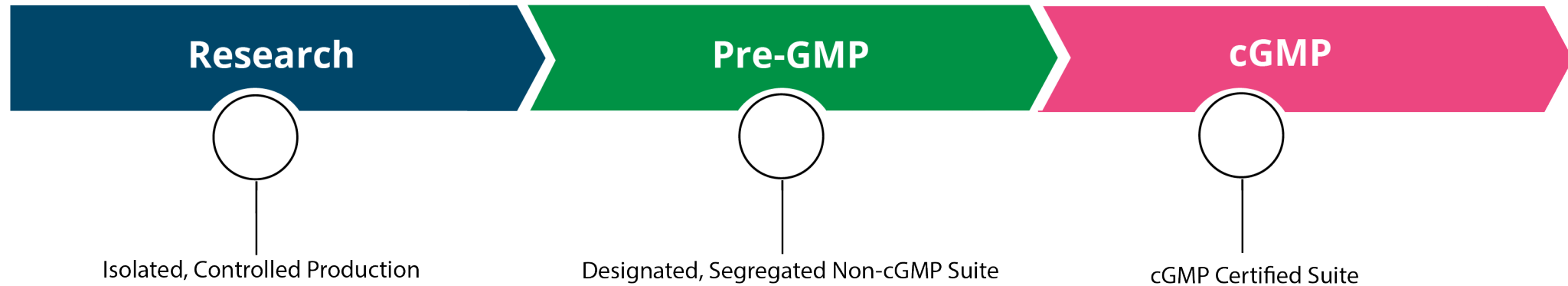


Pinpoint FISH  
Non-Dividing Cells

KromaTiD

Direct, Definitive Genomics

# New! Plasmid Manufacturing Services

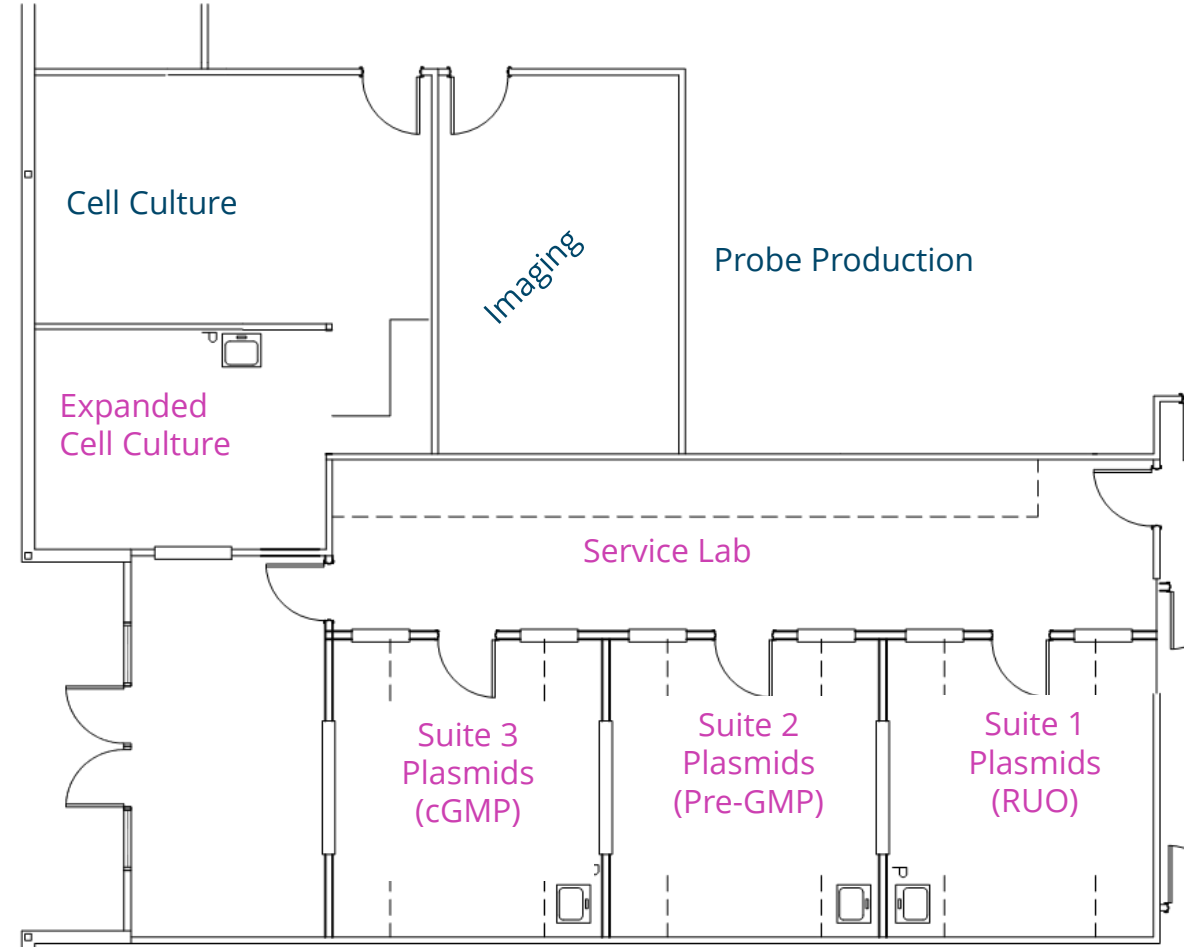


- A comprehensive, secure path for your plasmid development and testing
- From RUO to Commercial stage
- Three purity grades: Research, Transfection and Endotoxin-Free
- Fast turn-around time and highly competitive pricing

**KromaTiD**

Direct, Definitive Genomics

# Laboratory Expansion: 10,500 Sq. Ft. of Suites



**KromaTiD**

Direct, Definitive Genomics

# pDNA Manufacturing Supports a Variety of Applications and Scale

## Applications

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

pDNA Grade	Scale	Production Mode	TAT
Research	100µg–2.5mg	Isolated, controlled production	3–7 days
Transfection	100µg–1g	Isolated, controlled production with transfection-grade purification	≤2.5mg, 3–7 days >2.5mg, Inquire
Low Endotoxin	100µg–1g	Isolated, controlled production with low endotoxin-grade purification	≤2.5mg, 3–10 days >2.5mg, Inquire
Pre-GMP	≥50mg	Dedicated, segregated non-cGMP lab	~6 weeks
cGMP	≥50mg	Certifiable cGMP production suite	Inquire

**KromaTiD**

Direct, Definitive Genomics

[Request a Quote](#)

# Plasmid Production Service Levels

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	✓	✓	✓
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)	✓	✓	✓
Product release tests	✓	✓	✓
Production in segregated and dedicated space		✓	✓
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			✓

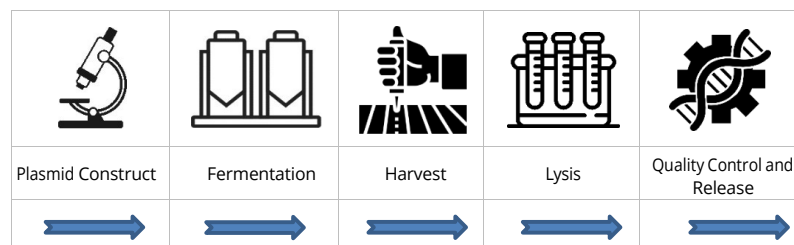
**KromaTiD**

Direct, Definitive Genomics



# Quality Control

QC Items	Specification	Measurement Method	Research	Pre-GMP	cGMP
<b>A260/280</b>	1.8--2.0	Nanodrop UV Absorption	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
<b>Appearance</b>	Clear	Visual Inspection	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
<b>Concentration</b>	On request, standard is 0.25 mg/ml	Nanodrop UV Absorption	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
<b>Restriction Digest</b>	Matches reference	Gel Digest	<b>Standard</b>	<b>Standard</b>	<b>Standard</b>
<b>Genomic DNA</b>	Not Visible	Gel Digest, qPCR	Request	<b>Standard</b>	<b>Standard</b>
<b>Residual RNA</b>	Not Visible	Gel Digest	Request	<b>Standard</b>	<b>Standard</b>
<b>Endotoxin Assay</b>	< 0.1 EU/ug plasmid DNA	LAL Assay	Request	<b>Standard</b>	<b>Standard</b>
<b>Sequencing</b>	Matches reference	NGS	Request	<b>Standard</b>	<b>Standard</b>
<b>ITR Integrity</b>	No replication errors	Gel Digest, NGS	Request	<b>As needed</b>	<b>As needed</b>
<b>BioBurden Assay</b>	No growth	Agar plate for 48 hours	Request	Request	<b>Standard</b>
<b>Mycoplasma</b>	No Mycoplasma content	PCR	Request	Request	Request



Plasmid Manufacturing Workflow



# Plasmid Manufacturing Pricing

[Request a Quote](#)

Cat.No.	Product Description	TAT	List Price
KPM-001	Research-Grade up to 100ug yield	5-10 days	\$437.50
KPM-002	Research-Grade up to 200ug yield	5-10 days	\$443.10
KPM-003	Research-Grade up to 500ug yield	5-10 days	\$448.35
KPM-004	Research-Grade up to 1mg yield	5-10 days	\$458.85
KPM-005	Research-Grade up to 2.5mg yield	5-10 days	\$511.70
KPM-006	Research-Grade >2.5mg yield	Inquire	Inquire
KPM-007	Transfection-Grade up to 100ug yield	5-10 days	\$439.43
KPM-008	Transfection-Grade up to 200ug yield	5-10 days	\$457.10
KPM-009	Transfection-Grade up to 500ug yield	5-10 days	\$461.48
KPM-010	Transfection-Grade up to 1mg yield	5-10 days	\$669.10
KPM-011	Transfection-Grade up to 2.5mg yield	5-10 days	\$802.55
KPM-012	Transfection-Grade >2.5mg yield	Inquire	Inquire
KPM-013	Low Endotoxin-Grade up to 100ug yield	5-10 days	\$449.50
KPM-014	Low Endotoxin-Grade up to 200ug yield	5-10 days	\$467.25
KPM-015	Low Endotoxin-Grade up to 500ug yield	5-10 days	\$474.25
KPM-016	Low Endotoxin-Grade up to 1mg yield	5-10 days	\$735.00
KPM-017	Low Endotoxin-Grade up to 2.5mg yield	5-10 days	\$861.00
KPM-018	Low Endotoxin-Grade >2.5mg yield	Inquire	Inquire
KPM-019	Pre-GMP Grade up to 50mg yield	-6 weeks	Inquire
KPM-020	cGMP Grade 100mg to 5g yield	Inquire	Inquire
KPM-021	DNA Synthesis per DNA basepair	4-8 weeks	Inquire
KPM-022	Sanger Sequencing Verification	5 days	Inquire
KPM-023	NGS Sequencing Verification	5 days	\$170.00

Need Your Plasmids Faster?

# PlasmidPROS

YOUR PLASMID PREP PARTNER

.....

Send us as little as a ~1 µg sample and in 72 hours receive up to 10 mg ready-to-use plasmid DNA.

## 3 Scales to Match Your Requirements

MAXI	MEGA	GIGA
\$115 Typical yield: 1 mg	\$280 Typical yield: 4 mg	\$485 Typical yield: 10 mg
DETAILS	DETAILS	DETAILS

# PlasmidPROS

## Key features and benefits

- An easy-to-use website for online ordering at [PlasmidPros.com](https://PlasmidPros.com)
- Three sizes of prep
  - Maxi Prep ~1 mg, \$115
  - Mega Prep ~4 mg, \$280
  - Giga Prep ~10 mg, \$485
- Typical turn-around time of 72 hours
- Two antibiotic selection choices
  - Carbenicillin
  - Kanamycin
- Two resuspension buffer choices

**KromaTiD**

Direct, Definitive Genomics

PlasmidPros make prep easy and fast.



### STEP 1 SHIPPING

Send us your samples using the shipping instructions provided.

### STEP 2 TRANSFORMATION

We transform your 1µg DNA sample using a concentration of at least 20 ng/µl into the DH5alpha strain of E.coli at 37°C.

### STEP 3 CLONE SELECTION

We plate transformed cells on agar plates that contain the antibiotic to which the plasmid confers resistance.

### STEP 4 GROWTH/HARVEST

Culture grow overnight at 37°C in secure, controlled-setting shaker. When ready, we harvest them by centrifugation.

### STEP 5 LYSIS/PURIFICATION

Harvested cell paste goes through an alkaline lysis event, and is purified.

### STEP 6 UV SPECTROSCOPY

We resuspend the pure plasmid DNA in a set volume of either water or 10 mM Tris at a pH 8.0. Our UV spectroscopy reports the concentration and OD 260/280 ratio of the plasmid on the label of the final deliverable vial.

### STEP 7 RECEIVE FINISHED SAMPLES

Receive your finished preps, ready to use.

# Working With Us Is Simple!



- Customer
- KromaTiD

KromaTiD is committed to **collaborative excellence** through dedicated project management and **expert technical analysis**.

# Why You Win With Us



**Collaboration:** The trusted structural genomics partner for leading gene therapy innovators

---

**Performance:** Gold standard products for the measurement of genomic structure and structural variation

---

**Scalability:** End to end process automation, high-throughput analysis, AI meta-analysis

---

**Excellence:** Experienced team of 20 operating today in a world class, 11,000 square foot genomics facility

---

**Proprietary:** Issued patents, broadened applications, trade secret methods, proprietary bioinformatics

# Thank you!

