

HIGH-QUALITY & AFFORDABLE CUSTOM COMPETENT CELLS

With a commitment to excellence and tailored solutions, we are here to empower your research and innovation endeavors. Intact Genomics' custom competent cell services include the following key features and benefits:



Service Name	Cat #
Custom Competent Cells	9660

Intact Genomics specializes in custom chemically competent and electrocompetent cells using common strains or your own strain.

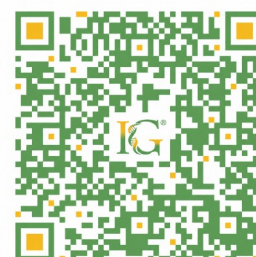
Our proprietary technologies deliver transformation efficiencies of up to $>5 \times 10^{10}$ cfu/ μ g DNA. We provide high-quality custom competent cells to pharmaceutical, agricultural, and biotechnology customers worldwide.

Direct Plate®

Features & Benefits

- **Customization** – We offer customization options to meet specific demands, such as the choice of bacterial strains, vectors, or additional modifications.
- **High Transformation Efficiency** – We developed proprietary methods that ensure cells provide the highest efficiency.
- **Quality Control** – We maintain rigorous quality control (ISO 13485:2016) measures to guarantee the reliability and performance of all custom competent cells.
- **Format Flexibility** – You choose the aliquot size, tube, or 96 well, 384 well plate.
- **Save Time** – We handle cell preparation so you can focus on results. We also offer custom DirectPlate® chemically competent cells that can complete transformation in 3 minutes.
- **Affordable** – Competitive pricing to maximize your research budget.
- **Quick Turnaround** – Receive your strain, optimize transformation and provide results within 1-2 weeks.
- **Expert Support** – Our scientists are the premier experts in competent cell production, cloning and transformation.
- **Excellent Customer Service** – Personalized service from start to finish. Our sales and customer service team responds to customer inquiries quickly and accurately.

To get started today, scan the QR code to fill out our custom Competent Cells Service Request Form, then send the completed form to sales@intactgenomics.com



Intact Genomics (IG®, ig®) offers the largest collection of high-quality competent cells on the market

- **Highest Transformation Efficiency** – Up to 10–100× higher than other leading brands.
- **Quality Control** – ISO 13485:2016 standards ensure consistent, reliable performance
- **Affordable** – Competitive pricing to maximize your research budget.
- **Format Flexibility & Custom Services Available** – Tubes (multiple aliquot sizes), strip tubes, 96/384-well plates, and tailored solutions to fit your needs.

Application	Strain Name	Specialization	Transformation Efficiency	
			Chemical	Electro
Cloning	ig® 5-alpha	Routine cloning and sub-cloning, library construction (DNA<10 kb)	≥1.0 x 10 ⁹	≥2.0 x 10 ¹⁰
	ig® 10B	Routine cloning and sub-cloning, library preparation including large DNA >10kb	≥1.0 x 10 ¹⁰	≥5.0 x 10 ¹⁰
	ig® XL1 Blue Max	Stable plasmid propagation with blue/white screening	≥1.0 x 10 ¹⁰	≥5.0 x 10 ¹⁰
	JM109	Cloning and non-T7 protein expression strain	≥1.0 x 10 ⁸	Upon request
	JM109(DE3)	Cloning and T7 protein expression strain	≥1.0 x 10 ⁸	Upon request
	MG1655	“Wildtype” E coli strain	≥1.0 x 10 ⁹	Upon request
	HB101	Stable plasmid maintenance	≥1.0 x 10 ⁸	≥4.0 x 10 ¹⁰
	DirectPlate® 5-alpha	Simply mix and directly plate	≥1.0 x 10 ⁸	N/A
	DirectPlate® 10B	Simply mix and directly plate	≥1.0 x 10 ⁸	N/A
Specialized Cloning	igMax™ DH10B	Difficult Large DNA fragment cloning, BAC library construction	Upon request	≥5.0 x 10 ¹⁰
	IG® Recombineering	Homologous recombination, DNA, plasmid, and BAC engineering	N/A	≥1.0 x 10 ¹⁰
	ig® Stable 2	Cloning direct repeat sequences (unstable DNA)	≥1.0 x 10 ⁹	≥2.0 x 10 ⁹
	DirectPlate® XL 10B	Simply mix & plate, directly clone large DNA up to >250kb	≥1.0 x 10 ⁸	N/A
	ig® ccdB Resist™	Propagation of plasmids containing the ccdB gene	≥1.0 x 10 ⁹	≥1.0 x 10 ¹⁰
Protein Expression	IG® Autoinduction DE3	Optimized for autoinduction of protein expression	≥3.0 x 10 ⁷	≥1.0 x 10 ¹⁰
	BL21	Routine non-T7 protein expression	≥1.0 x 10 ⁹	Upon request
	BL21(DE3)	Routine T7 protein expression	≥1.0 x 10 ⁹	≥1.0 x 10 ¹⁰
	BL21(DE3)pLysS	T7 protein expression with suppressed basal expression	≥3.0 x 10 ⁷	≥1.0 x 10 ¹⁰
	IG C41(DE3)	Improved expression of toxic proteins	≥3.0 x 10 ⁷	≥1.0 x 10 ¹⁰
	IG C41(DE3)pLysS	Improved expression of toxic proteins with suppressed basal expression	≥1.0 x 10 ⁷	≥1.0 x 10 ⁹
	IG C43(DE3)	Most tolerant of toxic proteins	≥3.0 x 10 ⁷	≥1.0 x 10 ¹⁰
	IG C43(DE3)pLysS	Most tolerant of toxic proteins with suppressed basal expression	≥5.0 x 10 ⁶	≥5.0 x 10 ⁹
	DirectPlate® BL21(DE3)	Simply mix and directly plate	≥1.0 x 10 ⁸	N/A
Phage Display	TG1	Antibody phage display with amber suppressor	Upon request	≥4.0 x 10 ¹⁰
	SS320	Antibody phage display	Upon request	≥5.0 x 10 ¹⁰
	ER2738	Peptide phage display with amber suppressor	≥1.0 x 10 ¹⁰	≥4.0 x 10 ¹⁰
	DirectPlate® TG1	Simply mix and directly plate	≥1.0 x 10 ⁸	N/A
Medium	IG Recovery Medium	Superior formulation for competent cell transformations	High-efficiency	
	IG Autoinduction Medium	Directly promotes high-yield growth of E. coli and high-level expression of T7 promoter-regulated recombinant proteins	High-efficiency	

