



Lucigen Competent Cells Comparison

LUCIGEN	Efficiency*	Size	Price/rxn	INVITROGEN	Efficiency*	Size	Price/rxn	STRATAGENE	Efficiency*	Size	Price/rxn
CLONING CELLS - DH5α, DH10B, etc. Substitute											
<i>E. coli</i> ® 10G SUPREME Electrocompetent (DUOs)	≥ 4 × 10 ¹⁰	12 rxns	\$18.42	MegaX DH10B™ Electrocompetent	≥ 3 × 10 ¹⁰	25 rxns	\$11.16	ElectroTen-Blue™ Electrocompetent	≥ 3 × 10 ¹⁰	10 rxns	\$21.30
		24 rxns	\$17.00								
<i>E. coli</i> 10G ELITE Electrocompetent (Six Packs)	≥ 2 × 10 ¹⁰	24 rxns	\$7.66	ElectroMAX™ DH10B™ Electrocompetent	≥ 1 × 10 ¹⁰	25 rxns	\$10.08	XL-1 Blue Electrocompetent	≥ 1 × 10 ¹⁰	10 rxns	\$21.20
		48 rxns	\$6.40								
<i>E. coli</i> 10G CLASSIC Electrocompetent (Six Packs)	≥ 5 × 10 ⁹	24 rxns	\$6.58	TOP10 Electrocompetent	≥ 1 × 10 ⁹	20 rxns	\$10.40		No equivalent.		
		48 rxns	\$5.90			40 rxns	\$9.65				
<i>E. coli</i> 10G Chemically Competent (DUOs)	≥ 1 × 10 ⁹	12 rxns	\$8.25	One Shot™ TOP10 Chemically Competent	≥ 1 × 10 ⁹	10 rxns	\$21.70	XL-10 Gold™ Ultracompetent	≥ 5 × 10 ⁹	10 rxns	\$16.00
		24 rxns	\$7.13			20 rxns	\$17.60				
		48 rxns	\$5.90			40 rxns	\$17.10				
		96 rxns	\$5.26								
<i>E. coli</i> 10G Chemically Competent (Subcloning Grade)	≥ 1 × 10 ⁶	48 rxns	\$1.19	Max Efficiency™ DH10B ChemComp	≥ 1 × 10 ⁹	20 rxns	\$11.70	XL-1 Blue Supercompetent	≥ 1 × 10 ⁹	10 rxns	\$19.60
		96 rxns	\$1.13								
<i>E. coli</i> 5-alpha Chemically Competent Cells (DUOs)	≥ 1 × 10 ⁸	12 rxns	\$8.25	Subcloning Efficiency™ DH5α Competent Cells	≥ 1 × 10 ⁶	40 rxns	\$1.88	XL1-Blue Subcloning-Grade Competent Cells	≥ 1 × 10 ⁶	80 rxns	\$1.41
		24 rxns	\$7.13								
		12 rxns	\$8.25	Max Efficiency™ DH5a Chemically Competent	≥ 1 × 10 ⁹	20 rxns	\$9.35	No equivalent.			
		24 rxns	\$7.13								
PHAGE DISPLAY											
TG1 Electrocompetent Cells (DUOs)	≥ 4 × 10 ¹⁰	12 rxns	\$11.83		No equivalent.			TG1 Electrocompetent Cells	≥ 1 × 10 ¹⁰	10 rxns	\$21.20
		24 rxns	\$10.25								
SS320 (MC1061 F) Electrocompetent Cells (DUOS)	≥ 4 × 10 ¹⁰	12 rxns	\$13.17		No equivalent.				No equivalent.		
		24 rxns	\$10.96								
ER2738 Electrocompetent Cells (DUOS)	≥ 2 × 10 ¹⁰	12 rxns	\$11.83		No equivalent.				No equivalent.		
		24 rxns	\$10.25								
F' CELLS											
<i>E. coli</i> 10GF' ELITE Electrocompetent	≥ 2 × 10 ¹⁰	12 rxns	\$11.58	Top10F' Electrocompetent	≥ 1 × 10 ⁹	40 rxns	\$9.50	XL-1 Blue MRF' Electrocompetent	≥ 1 × 10 ¹⁰	10 rxns	\$21.20
		24 rxns	\$10.04			120 rxns	\$9.07				
<i>E. coli</i> 10GF' Chemically Competent	≥ 5 × 10 ⁸	12 rxns	\$8.25	Top10F' Chemically Competent	≥ 1 × 10 ⁹	20 rxns	\$17.45	XL-1 Blue MRF' Chemcompetent	≥ 1 × 10 ⁹	10 rxns	\$19.60
		24 rxns	\$7.13			40 rxns	\$17.45				
PROTEIN EXPRESSION BL21(DE3) CELLS - Also available in pLysS and pLysE versions, as well as a ComboPack™ containing 4 transformations of all 3 strains											
<i>E. coli</i> EXPRESS BL21(DE3) Electrocompetent	≥ 5 × 10 ⁹	12 rxns	\$8.08		No equivalent.				No equivalent.		
		24 rxns	\$7.17								
<i>E. coli</i> EXPRESS BL21(DE3) Chemically Competent	≥ 1 × 10 ⁷	12 rxns	\$5.00	One Shot BL21(DE3) Chemcomp	1 × 10 ⁸	20 rxns	\$12.45	BL21-Gold™ (DE3) Chemcomp	≥ 1 × 10 ⁸	10 rxns	\$19.10
		24 rxns	\$3.54								
		48 rxns	\$2.60					BL21(DE3) Chemcomp	≥ 1 × 10 ⁶	10 rxns	\$15.30
TOXIC PROTEIN EXPRESSION - OverExpress Cells - Also available in pLysS versions, as well as a ComboPack containing 3 transformations of all 4 strains											
OverExpress™ C41(DE3) Electrocompetent	≥ 1 × 10 ¹⁰	12 rxns	\$19.75		No equivalent.				No equivalent.		
		24 rxns	\$17.42								
OverExpress C43(DE3) Electrocompetent	≥ 1 × 10 ¹⁰	12 rxns	\$19.75		No equivalent.				No equivalent.		
		24 rxns	\$17.42								
OverExpress C41(DE3) Chemically Competent	≥ 1 × 10 ⁶	12 rxns	\$16.42		No equivalent.				No equivalent.		
		24 rxns	\$14.50								
OverExpress C43(DE3) Chemically Competent	≥ 1 × 10 ⁶	12 rxns	\$16.42		No equivalent.				No equivalent.		
		24 rxns	\$14.50								

*cfu/μg pUC DNA

ELECTROCOMPETENT

CHEMICALLY COMPETENT

ELECTROCOMPETENT

PROTEIN EXPRESSION

CLONING

PHAGE DISPLAY

BL21(DE3) CELLS

TOXIC PROTEIN EXP.

Cat. No.	Product Description	Size	List Price	Invitrogen Cat. No.	Stratagene Cat. No.
60081-1	<i>E. coli</i> 10G SUPREME Electrocompetent (SOLOs)	12 rxns	\$252	C6400-03	200159
60081-2		24 rxns	\$449		
60080-1	<i>E. coli</i> 10G SUPREME Electrocompetent (DUOs)	12 rxns	\$221	12033-015	200227
60080-2		24 rxns	\$408		
60051-2	<i>E. coli</i> 10G ELITE Electrocompetent (SOLOs)	12 rxns	\$160	18290-015	200227
60051-2		24 rxns	\$277		
60052-1	<i>E. coli</i> 10G ELITE Electrocompetent* (DUOs)	12 rxns	\$139	C800-05	No Equivalent
60052-2		24 rxns	\$241		
60052-3	<i>E. coli</i> 10G ELITE Electrocompetent (SixPacks)	24 rxns	\$184	C664-55	No Equivalent
60052-4		48 rxns	\$307		
60117-1	<i>E. coli</i> 10G CLASSIC Electrocompetent (SixPacks)	24 rxns	\$158	C664-11	200158
60117-2		48 rxns	\$283		
60061-1	<i>E. coli</i> 10GF ' Electrocompetent (DUOs)	12 rxns	\$139	C3030-03	200230
60061-2		24 rxns	\$241		
60062-1	<i>E. coli</i> 10GF ' Chemically Competent (DUOs)	12 rxns	\$99	C4040-03	200130
60062-2		24 rxns	\$171		
60106-1	<i>E. coli</i> 10G Chemically Competent (SOLOs)	12 rxns	\$111	C4040-06	200150
60106-2		24 rxns	\$196		
60106-3	<i>E. coli</i> 10G Chemically Competent (DUOs)	48 rxns	\$327	C4040-10	200236
60107-1		12 rxns	\$99		
60107-2	<i>E. coli</i> 10G Chemically Competent (DUOs)	24 rxns	\$171	18297-010	200249
60107-3		48 rxns	\$283		
60107-4	<i>E. coli</i> 10G Chemically Competent (Subcloning Grade)	96 rxns	\$505	18265-017	200130
60108-1		48 rxns	\$57		
60108-2	<i>E. coli</i> 5a Chemically Competent Cells (DUOs)	96 rxns	\$108	18258-12	No Equivalent
60602-1		12 rxns	\$99		
60602-2	ER2738 Electrocompetent Cells (DUOS)	24 rxns	\$171		
60522-1		12 rxns	\$142		
60522-2	SS320 (MC1061 F') Electrocompetent Cells (DUOS)	24 rxns	\$246		
60512-1		12 rxns	\$158		
60512-2	TG1 Electrocompetent Cell (DUOs)	24 rxns	\$263		
60502-1		12 rxns	\$142		
60502-2	<i>E. coli</i> EXPRESS BL21(DE3) Electrocompetent	24 rxns	\$246	No Equivalent	No Equivalent
60300-1		12 rxns	\$97		
60300-2	<i>E. coli</i> EXPRESS BL21(DE3) Chemcomp	24 rxns	\$172	C6000-03	230131
60401-1		12 rxns	\$60		
60401-2	OverExpress™ C41(DE3) Electrocompetent (SOLOs)	24 rxns	\$85	No equivalent	No equivalent
60401-3		48 rxns	\$125		
60341-1	OverExpress C43(DE3) Electrocompetent (SOLOs)	12 rxns	\$237		
60341-2		24 rxns	\$418		
60345-1	OverExpress ElectroComboPack (SOLOs)	12 rxns	\$237		
60345-2		24 rxns	\$418		
60350-1	OverExpress C41(DE3) Chemcomp (SOLOs)	12 rxns	\$237		
60442-1		24 rxns	\$197		
60442-2	OverExpress C43(DE3) Chemcomp (SOLOs)	24 rxns	\$348		
60446-1		12 rxns	\$197		
60446-2	OverExpress ChemComboPack (SOLOs)	24 rxns	\$348		
60452-1		12 rxns	\$197		

***E. coli* 10G**

F- mcrA Δ(mrr-hsdRMS-mcrBC) Φ80dlacZΔM15ΔlacX74 endA1 recA1 araD139 Δ(ara, leu)7697 galU galK rpsL nupG λ- tonA

***E. coli* 10GF '**

[F' pro A+B+ lacIqZΔM15::Tn10 (TetR)] mcrA Δ(mrr-hsdRMS-mcrBC)Φ80dlacZΔM15 ΔlacX74 endA1 recA1 araD139 Δ(ara, leu)7697 galU galK rpsL nupG λ- tonA

***E. coli* 5-alpha**

fhuA2Δ(argF-lacZ)U169 phoA glnV44 Φ80 Δ(lacZ)M15 gyrA96 recA1 relA1 endA1 thi-1 hsdR17

ER2738

[F' proA*B*lacl^q Δ(lacZ)M15 zff::Tn10(tet^r)] fhuA2 glnV Δ(lac-proAB) thi-1 Δ(hsdS-mcrB)5

SS320 (MC1061 F')

[F' proAB*lacl^qlacZ ΔM15 Tn10 (tet^r)] hsdR mcrB araD139 (araABC-leu)7679 lacX74 galUgalK rpsL thi

TG1

[F' traD36 proAB lacl^qZΔM15] supE thi-1 Δ(lac-proAB) Δ(mcrB-hsdSM)5 (r_K⁻ m_K⁻).

EXPRESS BL21(DE3)

F- ompT hsdSB(rB- mB-) gal dcm(DE3)

Lucigen Competent Cells

Competent Cells include Recovery Medium and Control DNA.

SIZE DEFINITIONS

- SOLOs:** 1 transformation per tube
- DUOs:** 2 transformations per tube
- SixPacks:** 6 transformations per tube

PLEASE NOTE: Bulk quantities

(10 times larger than the largest retail package size) and/or custom packaging are available at very attractive prices for all Lucigen Competent Cells.

VOLUME PER REACTION

- ElectroComp:** 25 μl per reaction
- ChemComp:** 40 μl per reaction



FREE SAMPLE

lucigen.com/samples

Strain	Efficiency	Size	Cat. No.
<i>E. coli</i> 10G ELITE Electrocompetent	≥ 2 x 10 ¹⁰ cfu/μg	4 rxns	60052-0
<i>E. coli</i> 10G Chemically competent	≥ 1 x 10 ⁹ cfu/μg	4 rxns	60107-0
<i>E. coli</i> 10G Chemically Competent (Subcloning Grade)	≥ 1 x 10 ⁶ cfu/μg	12 rxns	60108-0
Phage Display ElectroCombo Pack	≥ 2-4 x 10 ¹⁰ cfu/μg	12 rxns	60500-1

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