



Competent Cells for Larger Phage Display Libraries

Highest Efficiency Electrocompetent Cells available!

- **TG1 Electrocompetent Cells.** An amber suppressor strain (supE) prepared as highly efficient ($\geq 4 \times 10^{10}$ cfu/ μ g) electrocompetent cells for phage display library screening. These cells are used for phage display and protein expression.
- **SS320 Electrocompetent Cells.** A non-amber suppressor strain (sometimes called MC1061F) prepared as highly efficient ($\geq 4 \times 10^{10}$ cfu/ μ g) electrocompetent cells for phage display library screening. These cells have the highest available transformation efficiency of any strain used for phage display.
- **ER2738 Electrocompetent Cells.** An amber suppressor strain (glnV) prepared as highly efficient ($\geq 2 \times 10^{10}$ cfu/ μ g) electrocompetent cells for phage display library screening. This strain is recommended for use with New England Biolab's Ph.D.[™] Phage Display Kits.

Transformation efficiency (cfu/ μ g)

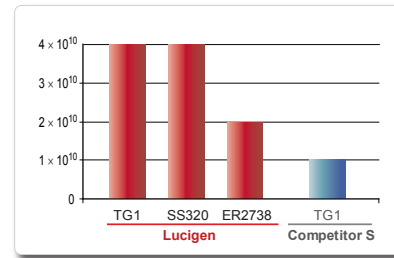


Table 1. Competent Cells for Phage Display Libraries

Cell Lines	Transformation Efficiency (cfu/ μ g pUC DNA)	Cloning Methylated DNA	Blue/White Screening
TG1	$\geq 4 \times 10^{10}$	✓	✓ IPTG induction required
SS320 (MC1061 F')	$\geq 4 \times 10^{10}$	✓	✓ IPTG induction required
ER2738	$\geq 2 \times 10^{10}$	✓	✓ IPTG induction required

GENOYTPES

TG1: [F' traD36 proAB lacIqZ Δ M15] supE thi-1 Δ (lac-proAB) Δ (mcrB-hsdSM)5(rK - mK -)

SS320 (MC1061F): [F'proAB+lacIqlacZ Δ M15 Tn10 (tet)] hsdR mcrB araD139 Δ (araABC-leu)7679 Δ lacX74 galUgalK rpsL thi

ER2738: [F'proA+B+ lacIq Δ (lacZ)M15 zzf::Tn10 (tet)] fhuA2 glnV Δ (lac-proAB) thi-1 Δ (hsdS-mcrB)5

Custom and Bulk Competent Cells

Bulk Lucigen cells, or your strain of *E. coli*, made to the highest possible transfection efficiency, with custom dispensing! Contact us for your free, no obligation quote.

Products	Cat. No.	Size	Price
TG1 Electrocompetent Cells	60502-1	12 rxns (DUOs)	\$142
	60502-2	24 rxns (DUOs)	\$246
SS320 (MC1061 F') Electrocompetent Cells	60512-1	12 rxns (DUOs)	\$158
	60512-2	24 rxns (DUOs)	\$263
ER2738 Electrocompetent Cells	60522-1	12 rxns (DUOs)	\$142
	60522-2	24 rxns (DUOs)	\$246
Phage Display Electrocompetent Cells Four transformations of each strain (TG1, SS320, ER2738)	60500-1	12 rxns	\$0
Recovery Medium	80026-1	8 x 12 ml	\$90

*Cells include Control DNA, Recovery Medium, and are packaged as DUOs (2 transformations per tube).

**Please inquire for bulk or custom packaging.