



ExpressClone XB10 F' Electrocompetent Cells for DNA Cloning

ExpressClone XB10 F' electrocompetent cells are E. coli cells that are transformed with DNA after applying a brief electrical field to a cell/DNA mixture. The result is a higher percentage of transformants than can be obtained through heat-shock or chemical transformations. These electrocompetent cells are ideal for high efficiency cloning of cDNA libraries, normalized and subtractive cDNA libraries, prokaryotic and eukaryotic genomic DNA, gene banks, and phagemid vectors. The cells demonstrate high efficiency up take of large plasmids and methylated DNA, allow for blue/white screening on agar plates supplemented with X-gal, and are T1 phage resistant. The cells contain an F' plasmid that confers M13 phage infection and allows for single-strand DNA biosynthesis.

- *>10¹⁰ transformants per μ g of pUC19*
- *Ideal for constructing cDNA libraries and gene banks*
- *High Efficiency uptake of large plasmids and methylated DNA*
- *Allow for blue/white screening of recombinant clones*
- *F' plasmid confers M13 phage infection and single-strand DNA biosynthesis*
- *T1 bacteriophage resistant*

For Research Use Only

Not for Diagnostic Use