ThermoFisher SCIENTIFIC

Molecular biology

Enhance efficiency with high-throughput competent cells

Invitrogen™ MultiShot™ competent cells offer convenient formats to streamline workflows for bacterial transformation. These competent cells provide researchers several off-the-shelf formats that address a range of throughput needs. Whether you need to perform 1 or 96 transformations or use manual or automated methods, MultiShot competent cells can be tailored to your specific research needs, helping enhance the efficiency of your transformation workflow.

- **Invitrogen™ MultiShot™ StripWell 12 x 8-tube strips** are capped tube strips in a lidded storage rack for a flexible number of transformations
- **Invitrogen™ MultiShot™ FlexPlate 96-well segmented plate** offers flexible throughput use and is a PCR plate that can be separated into twelve 8-well segments
- **Invitrogen™ MultiShot™ TOP10 96-well plate** is a full-skirted 96-well PCR plate for high-throughput transformation

Invitrogen™ competent cell configurations

Strain/cell line	StripWell strips	FlexPlate plates	96-well plate*	Applications
TOP10	•	•	•	Versatile strain for routine cloning
Mach1™ T1^R	•	•		Rapid growth, faster turn-around time
DH5α T1^R	•	•		Routine cloning, high plasmid yield
Stbl3™	•	•		Cloning unstable DNA, reducing recombination
BL21 Star™ (DE3)	•			Increasing protein yield
DH10B™ T1^R		•		Large plasmid cloning
OmniMAX™ 2 T1^R		•		High transformation efficiency

* Other full-skirted, 96-well formats for these strains are available. For more information, please contact us.

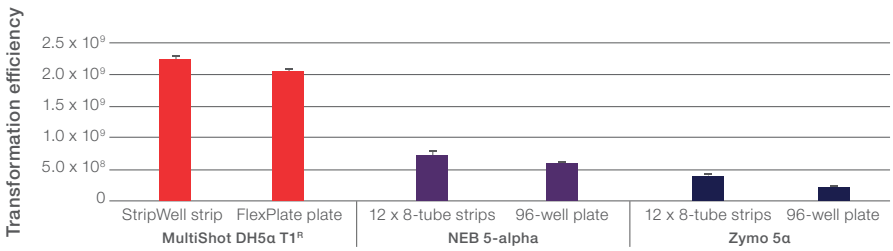

Figure 1. Comparing transformation efficiencies of DH5α competent *E. coli* with NEB™ 5-alpha and Zymo™ Mix and Go!™ 5α competent cells in similar product configurations. Transformation efficiency was measured by performing triplicate transformations, using 10 pg of pUC19 DNA, according to the manufacturer's recommended protocol. Each transformation was plated in duplicate.

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	StripWell format	FlexPlate format	96-well plates
Format description	12 capped 8-tube strips in a lidded storage rack	Foil-sealed 96-well breakaway PCR plate that can be separated into twelve 8-well segments	5 foil-sealed 96-well plates
Best for	Flexible number of transformation reactions from 1 to 96	High-throughput cloning with the ability to use part of the plate (multiples of 8) in a PCR plate format	Full-plate high-throughput and automated cloning workflows
Volume of competent cells per tube/well	50 µL/tube	20 µL/well	15 µL/well

Ordering information

Product	Quantity	Cat. No.
MultiShot StripWell products		
MultiShot StripWell TOP10 Chemically Competent *E. coli*	1 x 96 tube rack (50 µL/tube)	C409601
	5 x 96 tube racks (50 µL/tube)	C409605
	10 x 96 tube racks (50 µL/tube)	C409610
MultiShot StripWell Mach1 T1 Phage-Resistant Chemically Competent *E. coli*	1 x 96 tube rack (50 µL/tube)	C869601
MultiShot StripWell DH5α T1^{R} Competent Cells		C449601
MultiShot StripWell Stbl3 Competent Cells		C739601
MultiShot StripWell BL21 Star (DE3) Competent Cells		C609601
MultiShot FlexPlate products		
MultiShot FlexPlate TOP10 Competent Cells	1 x 96-well plate (20 µL/well)	C4081201
MultiShot FlexPlate Mach1 T1^{R} Competent Cells		C8681201
MultiShot FlexPlate DH5α T1^{R} Competent Cells		C4481201
MultiShot FlexPlate Stbl3 Competent Cells		C7381201
MultiShot FlexPlate DH10B T1^{R} Competent Cells		C6481201
MultiShot FlexPlate OmniMAX 2 T1^{R} Competent Cells		C8581201
96-well plate		
MultiShot TOP10 Chemically Competent *E. coli*	5 x 96-well plate (15 µL/well)	C40005

Competent cells are excellent for use with our wide range of **cloning kits**. For custom genes, try **Invitrogen™ GeneArt™ Gene Synthesis Services** for fast and reproducible results to support your downstream applications.

Learn more at **thermofisher.com/multishot**

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