

Application	<i>E. coli</i> strain	Available as high efficiency ($>10^9$ cfu/ μ g)
Routine cloning / subcloning	DH5 α Family*	$> 1 \times 10^9$
	DH10B Family*	$> 1 \times 10^9$
	TOP10 Family*	$> 1 \times 10^9$
	OmniMax 2 T1R*	$> 5 \times 10^9$
	Mach1 T1R*	$> 1 \times 10^9$
Protein expression	BL21 Family*	N/A
Cloning unstable DNA	Stbl2, Stbl3*, Stbl4	Stbl2: $> 1 \times 10^9$
		Stbl4: $> 5 \times 10^9$
Library production	DH10B Family ⚡	$> 1 \times 10^{10}$
	Stbl4 ⚡	$> 5 \times 10^9$
	OmniMax 2 T1R	$> 5 \times 10^9$
ssDNA propagation	DH12S ⚡	$> 1 \times 10^{10}$
Bacmid creation	DH10Bac	N/A
Cre-lox recombination	PIR1 / PIR2	PIR1: $> 1 \times 10^{10}$
Single Strand DNA Isolation	TOP10 F' / TOP10 F' ⚡	TOP10 F': $> 1 \times 10^9$
		TOP10 F' (LB): $> 5 \times 10^9$
	INV α F'	N/A
Highest efficiency	MegaX DH10B T1R ⚡	$> 3 \times 10^{10}$
Plasmid prep of SupF-containing vectors	TOP10/P3	$> 1 \times 10^9$
	MC1061/P3	N/A
Plasmid purification of dam or dcm methylation sensitive restriction enzymes	INV110	N/A
Use with Gateway vectors and plasmids with ccdB gene	ccd B Survival T1R	$> 1 \times 10^9$
*Certain <i>E. coli</i> strains within the family are available in a high-throughput configuration. ⚡ = Electrocompetent cells.		