

NoShock Hit Competent Cells

The FASTEST and EASIEST *E. coli* Transformation Protocol!

PROTOCOL TAKES ABOUT THE SAME TIME AS NEEDED TO READ THIS!



Just add DNA, vortex, put on ice and plate!

FIVE minutes hands-on time from adding DNA to plating!

NO heat shock, NO post-shock recovery incubation!

All common applications supported:

c-DNA, g-DNA libraries, general and PCR cloning

*To request free samples, contact Oxana at
support@bioaspect.com*

Genotype and Applications

MedStore SKU BA-RH618. HIT-DH5α High 108 cells

The HIT-DH5α strain allows blue-white color screening for recombinant plasmids and is an excellent host strain for routine cloning applications using plasmid or lambda vectors. Minimum efficiency 1x10⁸ transformants/μg pUC19.

HIT-DH5α Cells Genotype Table

Genotypes	Applications	HIT-DH5a
		F- endA1 hsdR17(rk-,mk-) supE44 thi-1 λ- recA1 gyrA96 relA1 Δ(argF-lacZYA)U169 ψ80d lacZ ΔM15
end A	Prevents plasmid degradation during extraction	Yes
recA	Prevents DNA recombination	Yes
hsA	Enhances transformation efficiency of selected PCR DNA strands and cDNA libraries	Yes
deoR	Enhances transformation efficiency of high MW plasmids and cosmids	Yes
LacZ M15	Blue-White screening	Yes
Lon	Lon Protease Deficient, Improves Protein Yield	No
ompT	OmpT Protease Deficient, Improves Protein Yield	No

HIT- DH5 α Cells Application Table

Applications	HIT-DH5a
Large Plasmids > 6Kb*	Ideal
Subcloning	Ideal
cDNA library	Yes
Fast Growth	-
Single Stranded DNA	-
Gene Bank	Yes
Mutagenesis	Yes
Protein Expression	No
Blue/White Screen	Yes

MedStore SKU BA-RH718. HIT-JM109 High Cells

The HIT-JM109 strain allows blue-white color screening for recombinant plasmids and is an excellent host strain for routine cloning application using plasmid or lambda vectors. Minimum efficiency 1×10^8 transformants/ μ g pUC19.

HIT-JM109 Cells Genotype Table

Genotypes	Applications	HIT-JM109
		F' traD36 proA+ proB+ lacIq Δ(lacZ)M15 Δ(lac-proAB) supE44 hsdR17 recA1 gyrA96 thi-1 endA1 relA1 e14- λ-
end A	Prevents plasmid degradation during extraction	Yes
recA	Prevents DNA recombination	Yes
hsA	Enhances transformation efficiency of selected PCR DNA strands and cDNA libraries	No
deoR	Enhances transformation efficiency of high MW plasmids and cosmids	Yes
LacZ M15	Blue-White screening	Yes
Lon	Lon Protease Deficient, Improves Protein Yield	No
ompT	OmpT Protease Deficient, Improves Protein Yield	No

HIT-JM109 Cells Application Table

Applications	HIT-JM109
Large Plasmids > 6Kb*	Yes
Subcloning	Ideal
cDNA library	-
Fast Growth	Ideal
Single Stranded DNA	Ideal
Gene Bank	Ideal
Mutagenesis	-
Protein Expression	No
Blue/White Screen	Yes

MedStore SKU BA-RH118. HIT Blue High 108 Cells.

The HIT Blue strain allows blue-white color screening for recombinant plasmids and is an excellent host strain for routine cloning application using plasmid or lambda vectors. Minimum efficiency 1×10^8 transformants/ μ g pUC19.

HIT Blue Cells Genotype Table

Genotypes	Applications	HIT-Blue
		hsdR17(rk- mk+), recA1, endA1, gyrA96,thi-1,supE44,relA1, ac[F'proAB acIqZDM15Tn10(Tet)]
end A	Prevents plasmid degradation during extraction	Yes
recA	Prevents DNA recombination	Yes
hsA	Enhances transformation efficiency of selected PCR DNA strands and cDNA libraries	Yes
deoR	Enhances transformation efficiency of high MW plasmids and cosmids	No
LacZ M15	Blue-White screening	Yes
Lon	Lon Protease Deficient, Improves Protein Yield	No
ompT	OmpT Protease Deficient, Improves Protein Yield	No

HIT Blue Cells Application Table

Applications	HIT-Blue
Large Plasmids > 6Kb*	Yes
Subcloning	Yes
cDNA library	Yes
Fast Growth	-
Single Stranded DNA	-
Gene Bank	-
Mutagenesis	-
Protein Expression	No
Blue/White Screen	Ideal

REQUEST YOUR FREE SAMPLE TODAY!

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