

DH5?-T1R Competent Cells

Product Information

Product Name

DH5a-T1R Competent Cells

Research Area

Bacteria Competent Cells

Application

Bac-to-Bac

Function

Facilitates the construction of recombinant bacmid

Bacterial Strain

DH5a

Unit Size

20 reactions

Screening Method

Blue/White Screening

Cloning Methylated DNA

no

Competent Cell Type

Chemically competent

F'episome (to make ssDNA)

Lacks F' Episome

High-throughput Compatibility

Not High-throughput Compatible

Preparing Unmethylated DNA

DH5 α -T1R Competent Cells

Not Suitable for preparing unmethylated DNA

Propagating ccdB Vectors

Not for ccdB vector propagation

Reduces Recombination

yes

T1 Phage - Resistant (tonA)

yes

Transformation Efficiency

$> 1 \times 10^9$

Transformation Efficiency Level

High Efficiency ($> 10^9$ cfu/ μ g)

Improves Plasmid Quality

yes

Format

one shot

Species

E. coli

Contents & Storage

1. DH5 α -T1R Competent Cells: 20 vials, 50 μ l each (total of 1 ml)

2. pUC19 DNA (10 pg/ μ l): 1 vial, 50 μ l

3. S.O.C. medium: 1 bottle, 6 ml

Store Competent Cells at -80°C. Store pUC19 DNA at -20°C. Store SOC Medium at 4°C or at room temperature

Feature

1. Cleaner preparations of DNA and better results in downstream applications due to the

DH5?-T1R Competent Cells

elimination of nonspecific digestion by Endonuclease I (endA1)

2. Reduced occurrence of unwanted recombination in cloned DNA (recA1)

3. Efficient transformation of unmethylated DNA from PCR applications (hsdR)

4. Blue/white color screening of recombinant clones carrying the alpha fragment of β -galactosidase (lacZ Δ M15)
