



64438

## DH5a Competent Cells for Subcloning

Part E

### Specifications

Antibiotic Sensitivity (Positive)

DH5<sup>α</sup> Competent cells, 10µl were streaked into a LB Agar plate containing Nalidixic acid, will form colonies after incubation for overnight at 37°C.

Antibiotic Sensitivity (Negative)

DH5<sup>α</sup> Competent cells, 10µl were streaked into a LB Agar plate containing Ampicillin, will not form colonies after incubation for overnight at 37°C.

Blue - White Screening

DH5<sup>α</sup> Competent cells were shown to be suitable for blue white screening by  $\lambda$  - complementation of the  $\lambda$  - galactosidase gene using pUC19.

Transformation Efficiency

DH5<sup>α</sup> Competent cells, 50 µl were transformed with 200pg of pUC19 DNA using standard protocol. Incubation overnight on LB Agar plates shown  $\geq 1 \times 10^6$  cfu/µg of DNA.

### Other Information

Description

DH5<sup>α</sup> Competent Cells are ideal cells that are made efficient chemically for transformation techniques. They are recommended for routine subcloning into plasmid vectors giving a transformation efficiency of  $1 \times 10^8$  cfu/µg. Subcloning efficiency cells are not suitable for the generation of cDNA libraries. The  $\lambda$ lacZ<sup>M15</sup> marker provides  $\lambda$ -complementation of the  $\lambda$ -galactosidase gene from pUC or similar vectors to allow blue/white colony screening on bacterial agar plates containing X-Gal and similar chemicals.

Includes

2x 0.1ml  
DH5<sup>α</sup> Competent cells - 2 X 0.1ml  
pUC19 (10ng/µl) - 50 µl

4x 0.5ml  
DH5<sup>α</sup> Competent cells - 4 X 0.5ml  
pUC19 (10ng/µl) - 100 µl

### General Information

Storage

-20 °C (Blue/Dry Ice)

Shelf Life

6 Months

IMDG Identification

Not Regulated for Transport (Non-Haz)

HSN Code

2 x0.1 ml

38229090 (GST 12%)

4 x0.5 ml

38229090 (GST 12%)

### Available Packages

2 x0.1 ml

4 x0.5 ml

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#### Disclaimer

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