



Product Specification

Product Name: HB101 Chemically Competent E. coli Cells
Cat #: CC-150
CAS #:
Storage: Store at -80°C.

Test	Specifications
Transformation efficiency	$\geq 1 \times 10^8$ cfu/ μ g pUC19 DNA
Antibiotic sensitivity	No observed growth

Calculation of Transformation Efficiency

Example: Transform 1 μ l of (10 pg/ μ l) control plasmid into 25 μ l of cells, add 975 μ l of Recovery Medium. Dilute 10 μ l of this in 990 μ l of Recovery Medium and plate 50 μ l. Count the colonies on the plate the next day. If you count 250 colonies, the TE is calculated as follows:

Colonies = 250

μ g of DNA = 0.00001

Dilution = $10/1000 \times 50/1000 = 0.0005$

TE = $250/0.00001/0.0005 = 5.0 \times 10^{10}$

GOLD BIOTECHNOLOGY, INC. provides this Product Specification in good faith. Specifications are subject to change.

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