

MegaX DH10B™ T1^R Electrocomp™ Cells

Product No. C6400-03

Lot No. 1853706

Date of Manufacture 15Mar2017

Expiration Date 31Mar2019

Transformation Efficiency

20 µl of competent cells are transformed with 10 pg of supercoiled pUC19 plasmid DNA (non-saturating conditions). Transformed cultures are plated on LB plates containing 100 µg/ml ampicillin and incubated overnight at 37°C.

Transformation efficiency must be $\geq 3.0 \times 10^{10}$ cfu/µg pUC19.

Antibiotic Sensitivity

Cells must exhibit growth on LB medium plates.

Untransformed cells must exhibit no growth on LB plates containing the following antibiotics:

100 µg/ml ampicillin
50 µg/ml kanamycin
15 µg/ml chloramphenicol
50 µg/ml Zeocin™
15 µg/ml tetracycline

Untransformed cells must exhibit growth on LB plates containing the following antibiotic:

100 µg/ml streptomycin

No growth indicates the absence of antibiotic resistance markers.

Leu Phenotype

Cells must exhibit inhibited growth on 2B minimal medium plates and growth on 2B minimal plates supplemented with 30 µg/ml leucine after overnight incubation at 37°C, indicating a Leu⁻ phenotype.

Lac Phenotype

Untransformed cells must exhibit growth of white colonies on LB plates containing 400 µg/ml X-Gal and 1 mM IPTG, indicating a Lac⁻ phenotype.

Gal Phenotype

Cells must exhibit growth of white or light pink colonies on MacConkey galactose plates, indicating a Gal⁻ phenotype.

RecA Phenotype

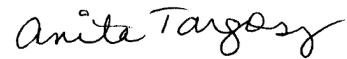
Cells must exhibit inhibited growth on LB medium plates containing 8 µg/ml nitrofurantoin, indicating a RecA⁻ phenotype.

Results

Product meets all specifications.

For Research Use Only. Not for use in diagnostic procedures. If you have any further questions about this Certificate of Analysis, please contact Technical Services at 1-800-955-6288 (US and Canada) or 1-760-603-7200, x2 (all other countries).

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Issued on 15 Mar 2017