

Stellar™ Electrocompetent Cells

Catalog No.
636765

Amount
10 transformations

Lot Number
Specified on product label.

Description

Stellar Electrocompetent Cells are an *E. coli* HST08 strain that provides high transformation efficiency, good reproducibility, and blue/ white screening when paired with pUC plasmid vectors. These cells are specially made for transformation using the electroporation method. Stellar Electrocompetent Cells lack the gene cluster which digests foreign methylated DNA (*mrr-hsdRMS-mcrBC* and *mcrA*), and are therefore useful for cloning of methylated DNA, in addition to construction of genomic libraries and longer-length genomic libraries. A pUC19 vector is provided as well as SOC Medium.

Package Contents

- 10 x 50 µl Stellar Electrocompetent Cells
- 10 x 1 ml SOC Medium
- 10 µl pUC19 Vector (10 pg/µl)

Storage Conditions

- Store Stellar Electrocompetent Cells at -70°C.
- Store all other components at -20°C.

Expiration Date

- Specified on product label.

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at takarabio.com/manuals
The following documents apply to this product:

- Stellar Electrocompetent Cells Protocol-At-A-Glance

Genotype

F⁻, *endA1*, *supE44*, *thi-1*, *recA1*, *relA1*, *gyrA96*, *phoA*, Φ 80d *lacZ*Δ *M15*, Δ (*lacZYA* - *argF*) *U169*, Δ (*mrr* - *hsdRMS* - *mcrBC*), Δ*mcrA*, λ⁻

Quality Control Data

Transformation efficiency:

10 pg of pUC19 was transformed and transformants were selected by Amp⁺ selective media plating. Transformation efficiency was >4×10⁹ transformants/µg pUC19.

Takara Bio USA, Inc.

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Certificate of Analysis

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Confirmation of β -galactosidase α -complementation:

Blue colonies appeared when pUC19 DNA was transformed and the transformed cells were plated on an L-broth agar medium containing 100 $\mu\text{g/ml}$ of ampicillin and 40 $\mu\text{g/ml}$ of X-Gal.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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