

Stellar™ Competent Cells (96-well plate)

Catalog No. 636767	Amount 96 x 20 µl	Lot Number Specified on product label.
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Description

Stellar Competent Cells arranged in a 96-well plate for high-throughput transformation. Stellar Cells are an *E. coli* HST08 strain that provides high transformation efficiency. These cells can be used in a wide variety of applications: from preparation of cDNA and genomic libraries to construction of longer-length genomic libraries, to subcloning, and even methylated DNA cloning. Stellar Competent Cells lack the gene cluster for cutting foreign methylated DNA (*mrr-hsdRMS-mcrBC* and *mcrA*) and are therefore useful for cloning methylated DNA. The cells can also be used for blue/white screening (i.e., α -complementation) when transformed with vectors containing the *lacZ α* gene. A pUC19 vector, SOC Medium, 8-Cap Strips, and a Plate Lid are included. These competent cells are recommended for use with Takara Bio's In-Fusion™ Snap Assembly products.

Package Contents

Package 1:

- 96 x 20 µl Stellar Competent Cells (96-well plate)

Package 2:

- 14 ml SOC Medium
- 10 µl pUC19 Vector (0.1 ng/µl)
- 12 8-Cap Strips
- 1 Plate Lid

Storage Conditions

- Store Package 1 at –70°C.
- Store Package 2 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 Competent Cells (96-well plate) Protocol-At-A-Glance

Certificate of Analysis

Cat. No. 636767

Stellar Competent Cells (96-well plate)

Genotype

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

Quality Control Data

Transformation Efficiency

We used the protocol in PT5149-2 to transform Stellar Competent Cells with 0.1 ng of pUC19. Transformants were selected on LB/Amp plates. The transformation efficiency was $\geq 1 \times 10^8$ colonies/ μ g of pUC19 plasmid vector.

Confirmation of β -galactosidase α -complementation

When Stellar Competent Cells were transformed with pUC19 DNA and plated on LB agar containing 100 μ g/ml ampicillin and 40 μ g/ml X-Gal, blue colony formation was verified.

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

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CATALOG NO.

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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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