

TransformAid™ Bacterial Transformation Kit

#K2710 for 20 transformations

#K2711 for 40 transformations

Description

The TransformAid™ Bacterial Transformation Kit is a completely new concept in bacterial transformation which provides a consistent and efficient method for obtaining competent cells and transformation. This, in turn, enables convenient and efficient construction of recombinants. The TransformAid™ Bacterial Transformation Kit provides optimized components that allow quick transformation procedures: from overnight bacterial culture to transformed cells takes less than an hour; from bacterial culture colonies from LB plates to transformed cells takes 2.5 hours. All components of Kit and all procedures are optimized, so transformation efficiency rates exceed 10^7 colonies per μg of plasmid DNA.

The TransformAid™ Bacterial Transformation Kit can be applied to most bacterial strains commonly used for cloning, including DH5 α , JM107, JM109, SURE, TOPP2, W3110, NM527, AD494, CJ236. Overnight bacterial culture prepared in TransformAid™ C-Medium can be stored for one week at 4°C with no loss in transformation efficiency. Therefore, overnight culture need only be prepared once a week.

Features

- Fast transformation method - from overnight bacterial culture takes less than an hour, from bacterial culture colonies - 2.5 hours.
- High efficiency - 10^7 transformants per μg of plasmid DNA.
- Flexibility - applicable with most bacterial strains used for cloning.
- Reproducibility - overnight bacterial culture can be stored for one week, therefore competent cells can be prepared from the same batch.
- Kit eliminates the problem of potential decay of transformation efficiency during storage of competent cells, avoids waste due to thawing.

Quality Control

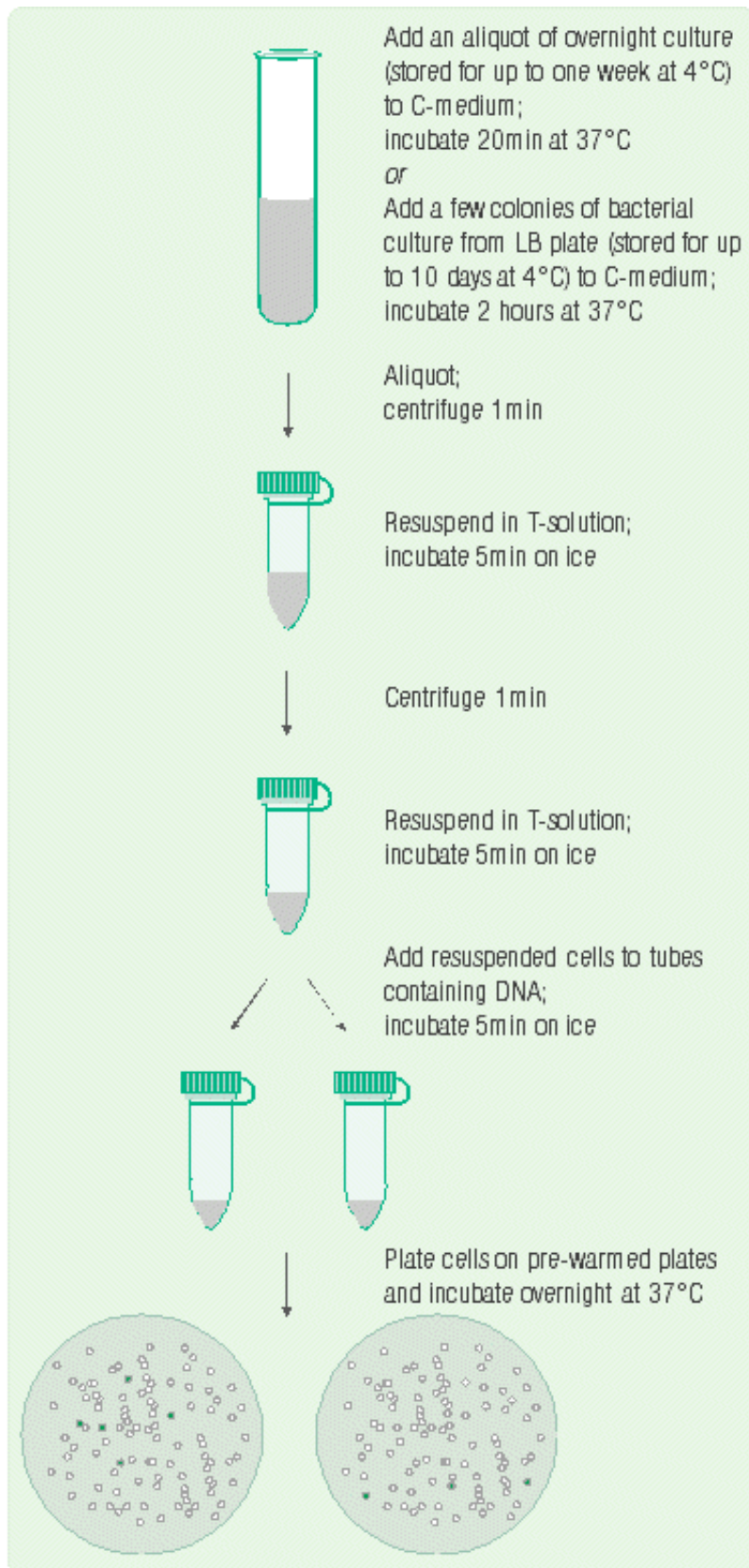
All components of the kit are tested for transformation efficiency using pUC19 DNA and bacterial strains XL1-Blue and JM107.

Components

- C-Medium
- T-Solution (A)
- T-Solution (B)

- Complete Protocol

MSDS



Transformation using Transform Aid™ Bacterial Transformation kit

For preparing *E.coli* competent cells with no fear of decrease in transformation efficiency you can use:

- the overnight culture, stored at +4°C and used for inoculating fresh cultures for at least 7 days;
- the colonies on LB plates, stored at +4°C and used for inoculating fresh cultures within 10 days.

Related Products

| | |
|--|---|
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| T4 DNA Ligase | #EL0014 , #EL0011 , #EL0012 |
| T4 DNA Ligase (with PEG) | #EL0331 , #EL0334 |
| DNA Blunting and Ligation Kit | #K1511 , #K1512 |
| DNA Cloning Kit | #K1311 , #K1312 |
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