

# 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  $\mu\text{g}$  of plasmid DNA.

The TransformAid™ Bacterial Transformation Kit can be applied to most bacterial strains commonly used for cloning, including DH5 $\alpha$ , 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  $\mu\text{g}$  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

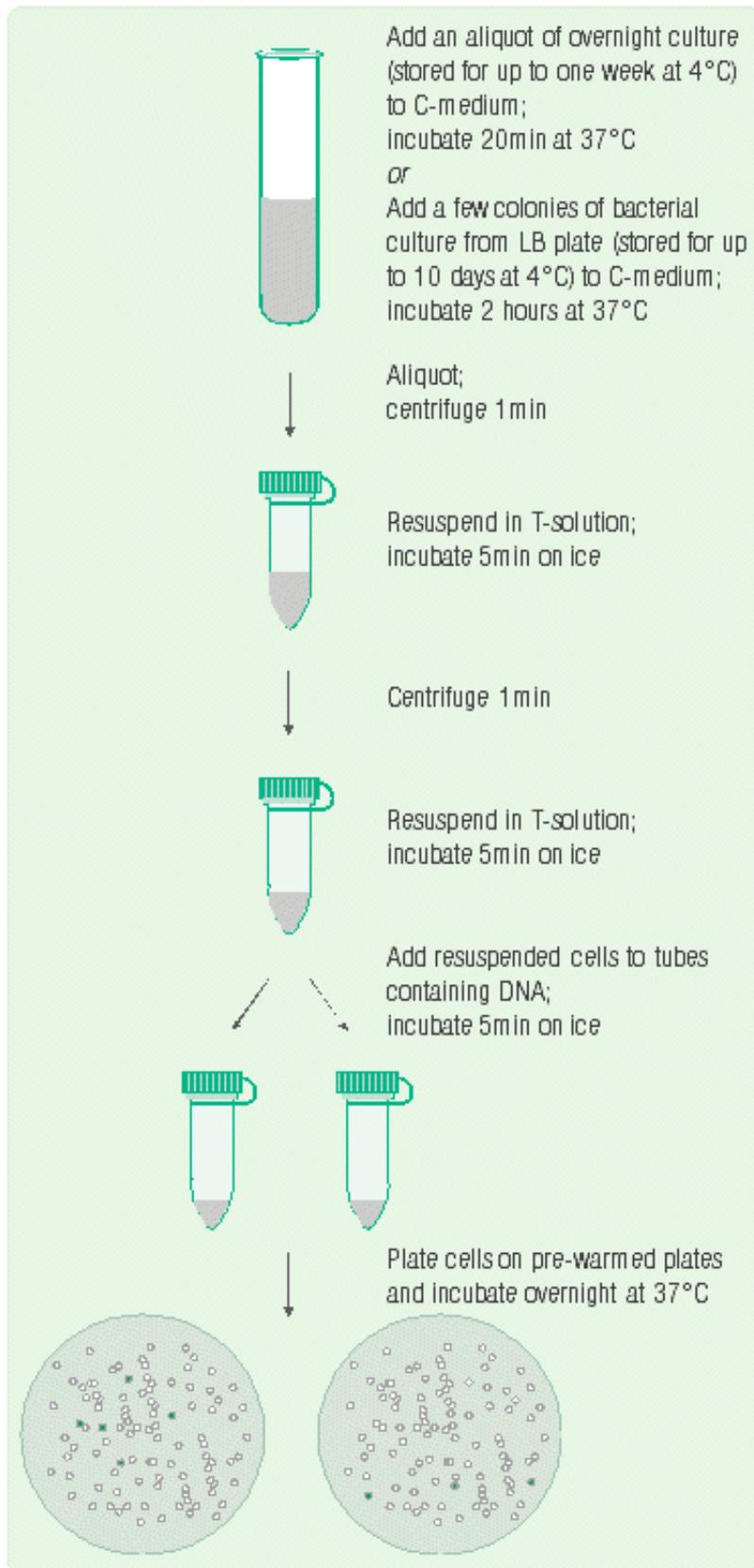
All components of the kit are tested for transformation efficiency using pUC19 DNA and bacterial strains XL1-Blue and JM107.

## 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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<a href="#">DNA Blunting and Ligation Kit</a>	<a href="#">#K1511</a> , <a href="#">#K1512</a>
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