

# Product Information

## Y187 Yeast Competent Cell

Cat. No.: **HN-1224-TT33**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

The Y187 strain is a strain used for GAL4 system Y1H and Y2H experiments. It is of MAT  $\alpha$  type and can be directly transformed into plasmids or screened with MATa type yeast strains (Y2HGold, AH109, etc.) through mating.

The transformation markers are: trp1 and leu2; report genes: lacZ and MEL1.

Y187 has two reporter genes lacZ and MEL1, which are activated by two different promoters (G1, M1), and only the 17bp core region recognized by GAL4 is the same for these two promoters, while the rest are different, greatly reducing the probability of yeast heterozygous false positives.

Y187 competent cells were prepared using special techniques, and the pGADT7 plasmid detection showed a transformation efficiency of  $>10^4$  cfu/ $\mu$ g DNA.

### Applications

Y1H/Y2H interaction library screening

### Content

Y187 strain

Carrier DNA (10 $\mu$ g/ $\mu$ l)

PEG/LiAC

### Size

100 $\mu$ l $\times$ 10 vial/100 $\mu$ l $\times$ 50 vial

### Storage

-80°C