

Product Information

AH109 Yeast Competent Cell

Cat. No.: **HN-1224-TT34**

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

Product Overview

The AH109 strain is derived from the PJ69-2A yeast strain, and AH109 was born by introducing the lacZ reporter gene into PJ69-2A. This strain is used for the GAL4 system yeast Two hybrid experiment, MATa type, and can be directly transformed into plasmids or validated for protein interaction or library screening with MAT α - type yeast strain Y187 through mating.

The transformation markers are: trp1 and leu2; report genes are: lacZ, HIS3, ADE2, MEL1.

AH109 has four reporter genes: lacZ, HIS3, ADE2, MEL1, which are activated by three different promoters (GAL1, GAL2, MEL1), and only the 17bp core region recognized by GAL4 is the same among these three promoters, while the rest are different, greatly reducing the probability of Y2H false positives.

AH109 competent cells were prepared using special techniques, and the pGADT7 plasmid detection showed a transformation efficiency of $>10^4$ cfu/ μ g DNA.

Applications

Y2H interaction library screening

Content

AH109 strain
Carrier DNA (10 μ g/ μ l)
PEG/LiAC

Size

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

Storage

-80°C