

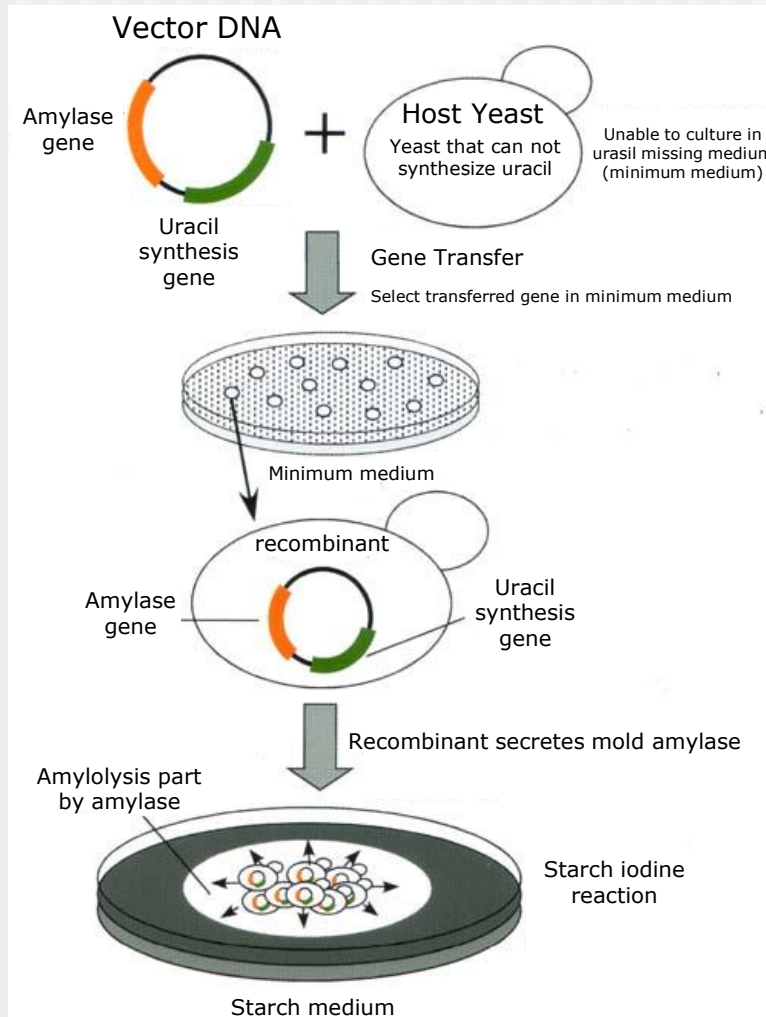
Gene Transfer to Yeast (Vacuum and Electroporation Method)



Gene Transfer to Yeast with New Vacuum and Electroporation Method

Gene Transfer to Yeast

Gene Transfer Procedure



Specific name *Saccharomyces cerevisiae*

Strain BY4700
(Sequenced all its genome)

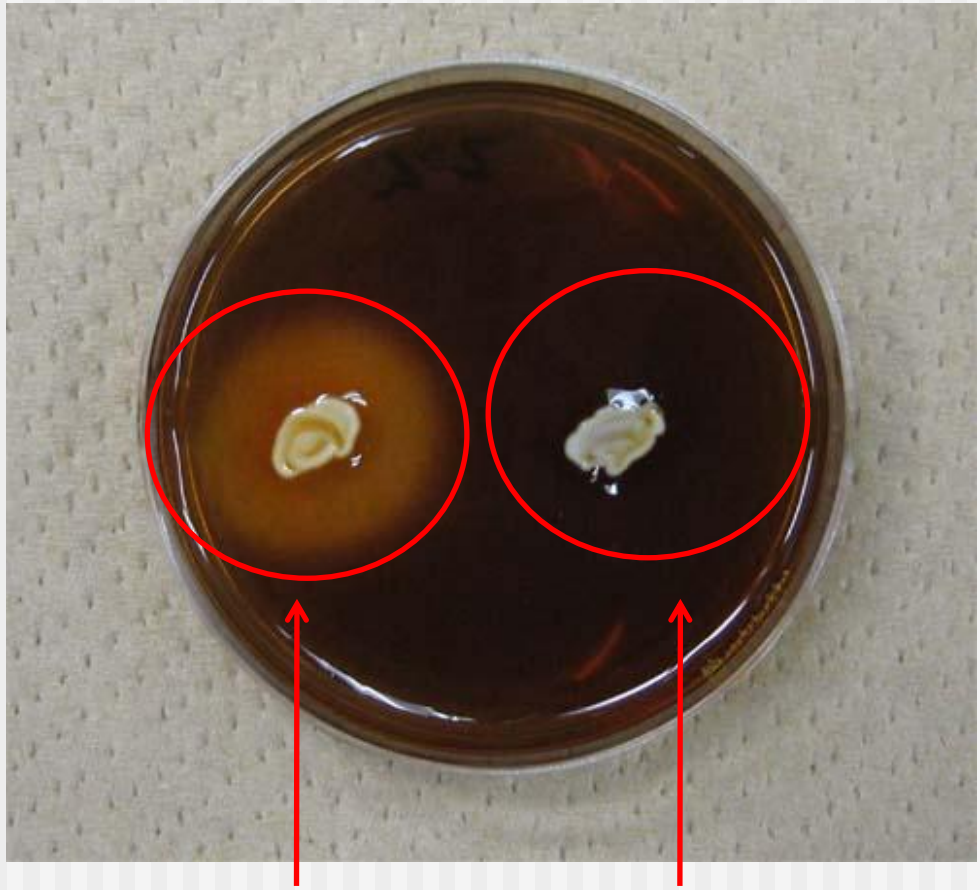
Genotype *MATa ura3Δ0*
Ura3 / Orotidine-5'-phosphate
decarboxylase missing

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Engineering,
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Yamaguchi University

Fig.1 Procedure for Gene Transfer to Yeast

Gene Transfer to Yeast

Cultivation of Yeast



Transfectant

Wild type

Gene Transfer to Yeast

Efficiency of Yeast Transformation

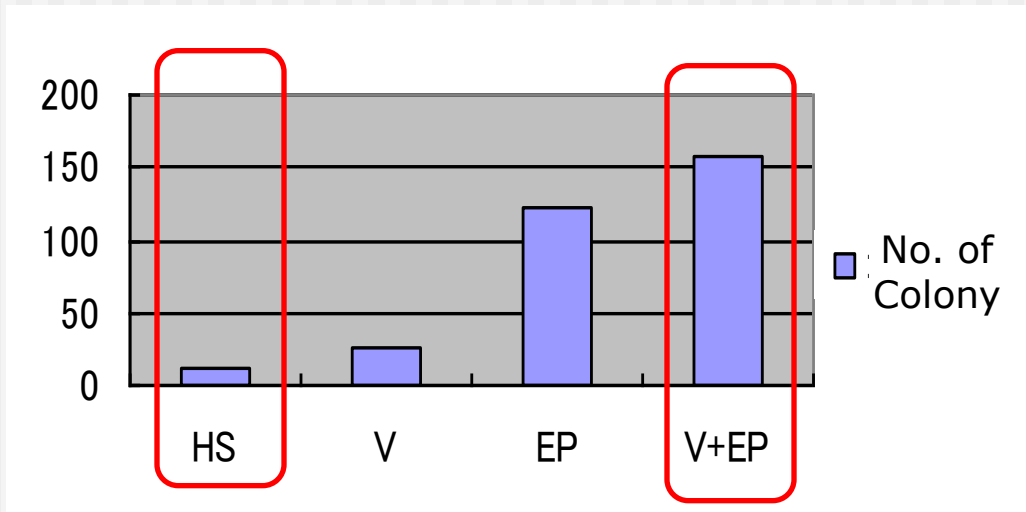


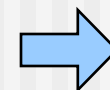
Fig.1 Efficiency of Yeast Transformation

HS : Heat Shock
V: Vacuum
EP : Electroporation
V + EP : Vacuum + Electroporation

A. Heat Shock Method (conventionally)



B. Vacuum + Electroporation



V+EP is best