

Genetic transformation of Magnusiomyces (Dipodascus, Endomyces) magnusii

Cells are grown to exponential phase ($1-2 \times 10^6$ cells/ml), washed in sterile water and resuspended in 1M sorbitol to a final concentration of $2-4 \times 10^8$ cells/ml. Plasmid DNA is added to 50 μ l of cell suspension and the sample is treated with an electric pulse of 5 kV/cm at 1000W, 25 μ F settings in Gene Pulser II apparatus (BioRad). Immediately after the pulse, 750 μ l of ice-cold 1M sorbitol is added. Recovered cells are cultivated in 5 ml of YPD medium containing 1M sorbitol for 6h at 28 °C and then chilled for 1h on ice. About 10^6 cells are plated on YPD plates containing 800 μ g/ml of zeocin and osmotically stabilized with 1M sorbitol.

Reference:

Adamikova, L., Griac, P., Tomaska, L. & Nosek, J. (1998) Development of a transformation system for the multinuclear yeast *Dipodascus (Endomyces) magnusii*. *Yeast* 14: 805-812.