

A1258

Fungal Genetics Stock Center
Cell Biology and Biophysics
School of Biological Sciences
5007 Rockhill Road
University of Missouri, Kansas City
Kansas City, MO 64110

PLEASE PROVIDE COMPLETE INFORMATION

Reprints or other data relating to this deposit will aid the Stock Center and recipients of the strain.

Accession number A1258

SPECIES Aspergillus fumigatus MATING TYPE _____

GENOTYPE gGFP, hyg^R

DESIGNATION OF MUTANT ALLELE(S) _____

LINKAGE GROUP(S) _____ STRAIN DESIGNATION IF WILD-TYPE ATCC 13073

YOUR STOCK NUMBER FOR THIS CULTURE 13073-gGFP, hygR transformant 4
include stock no. from other collections

ORIGIN OF STOCK: derived from ATCC 13073 by electroporation with plasmid gGFP, a vector used for the expression of the green fluorescent protein. This plasmid contains sGFP (S65T), a plant codon-optimized gene transcriptionally fused to the *Aspergillus nidulans* promoter P_{gpd}, which allows the sGFP to be constitutively expressed (Maor et al 1998). The plasmid also contains the hygromycin resistance gene hph under control of the same promoter. Both hyphae and conidia express GFP.

PUBLISHED REFERENCES

Julie A Wasylnka and Margo M. Moore (2002). Uptake of *Aspergillus fumigatus* conidia by phagocytic and nonphagocytic cells in vitro: quantitation using strains expressing green fluorescent protein. *Infection and Immunity* 70:3156-3163.

R. Maor, M. Puesky, B.A. Horwitz and A. Sharon (1998). Use of green fluorescent protein (GFP) for studying development and fungal-plant interaction in *Cochliobolus heterostrophus*. *Mycological Research* 102: 491-496.

Julie A. Wasylnka and Margo M, Moore (2003). *Aspergillus fumigatus* conidia survive and germinate in acidic organelles of A549 epithelial cells. *Journal of Cell Science* 116: 1579-1587.

J.A. Wasylnka, A.H.T. Hissen, A.N.C. Wan and M.M. Moore (2005). Intracellular and extracellular growth of *Aspergillus fumigatus*. *Medical Mycology Supplement* 1, 43: S27-S30.

James J. McDevitt, Peter S.J. Lees, William G. Merz and Kellog J. Schwab (2005). Use of green florescent protein-expressing *Aspergillus fumigatus*