Fungal Genetics Stock Center
Dept. of Microbiology
Univ. of Kansas Medical Center
Kansas City, KS 66103-7240

PLEASE PROVIDE COMPLETE INFORMATION

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

Accession number

SPECIES..... Aspergillus niger.....**A974**..

GENOTYPE..... cspA1; fwnA1; leuA1; pdxA2; sftC101(se^r) .....

DESIGNATION OF MUTANT ALLELES.....1..... 1.....1.... 2..... 101.....

LINKAGE GROUP(S)..... (III).... (I)...(IV)...(VI)... (VII).....

STRAIN DESIGNATION IF WILD-TYPE .....---.....

YOUR STOCK NUMBER FOR THIS CULTURE.....EK**210**.....
include stock no. from other collections

ORIGIN OF STOCK.....X-ray of EK**146** = cspA1; (I) fwnA1; (IV) leuA1; (VI) pdxA2.....

..selected for.selenate resistance -> sulphite requiring mutants

..... EK**146**.. from 2n (**016**). [see FGSC# A958.....
for example - obtained from, genetic background, from diploid with; or if collected from nature, collection point, substrate and collector.

PUBLISHED REFERENCES. None; special feature: **sftC101** is sulphite requiring, and resistant to selenate; see Buxton et al. (1989, Gene 84: 329-334) for similar A. niger mutants and the A. nidulans sC gene clones used. Media and methods as in Arst (1968) Nature 219: 268, & Gravel et al. (1970) Can. J.Genet.Cytol 12:831-840.
(for any information regarding this stock)

IF UNPUBLISHED, please indicate strain of origin, mutagen, worker, genetic background, important characteristics...Strain of origin for all strains: FGSC# A733.

sft-101 was "complemented" by transformation with the A.nidulans sC gene (-> **sftC**101); it mapped in Lg. VII.

A. niger **sft** mutants, selected on high conc. of selenate (0.1 mM in -NO3 free MM urea) likely are either 2 types; in A.nidulans sB -> sulfate permease or sC -> ATPsulfurulase (Borges-W+Turner et al. 1995, MGG 247:423-29)

COMMENTS (special growth requirements, aberrations, heterokaryon compatibility, special uses of strain.

Sulphite requiring mutants of A. niger do not show thin mycelial growth on MM plates which in A. nidulans causes background growth in transformations unless reduced by agarose replacing agar inMM.

(use back of page if necessary)

YOUR NAME ....Etta Kafer..... DATE...March 20, 1998..