

Record of Neurospora Culture

Fungal Genetics Stock Center, Botany Department, Dartmouth College
Hanover, New Hampshire, U.S.A.

accession number

887

13

GENOTYPE ~~cys-11~~ ^{cys-11} cystineless ~~cys-11~~ ⁸⁵⁵¹⁸ ~~cys-11~~ ^{cys-11} A

date 6/29/62

ALLELE DESIGNATION(S) ⁸⁵⁵¹⁸ ~~probably allele of cys-5~~ (correspondence 14962 M. Murray)

YOUR STOCK NUMBER FOR THIS CULTURE 85518

ORIGIN OF STOCK Mustard-gas induced in 1A x E5297a
(for example - obtained from, induced in, from cross with, etc.)

PUBLISHED REFERENCE Horowitz et al., Science 104, 233 (1946). **H116**

Tagland - Arch Biochem Biophysics 84: 541 (1959) R13
(for data regarding origin, linkage, characteristics, etc.)

IF UNPUBLISHED, please indicate strain of origin, mutagen, worker, distinguishing characteristics

LINKAGE GROUP(S) IL; COMMENTS (special growth conditions, aberrations, heterocaryon compatibility, genetic background, complementation group, etc.) Blocked between sulfate and sulfite.

Presumably lacking ATP sulfurylase (Lanewber letter 1/21/63)
(use additional space on back of page if necessary)

YOUR NAME N. H. Horowitz **NHH** DATE June 21, 1962

Please do not write below this line

lyophilized 7/12/62, _____, _____, _____, _____
checked for viability 7/19/62, 11/21/63 ok, _____, _____, _____
checked for genotype 1/10/63, 4/7/62 ok
other storage method 7/12/62, _____, _____, _____
checked for viability 7/19/62, 4/5/62 ok, _____, _____
sent to:

name	date	name	date
<u>M. Murray (Stanford)</u>	<u>8/28/62</u>	<u>Dr. Marzlot (Marquette U)</u>	<u>6/3/69</u>
<u>Alda McVeigh (Stanford)</u>	<u>1/24/63</u>	<u>R. Straehler (U of Southern Calif)</u>	<u>12/21/72</u>
<u>J. Segal (Laboratoire de chimie, Paris, Marseille, Fr)</u>	<u>1/29/63</u>	<u>M. Grindle (U of Leeds, Eng)</u>	<u>10/13/75</u>
<u>F. Lanewber (H. H. Kist)</u>	<u>2/13/63</u>	<u>F. J. DC - tested</u>	<u>1/26/77 ok</u>
<u>R. L. Metzgerberg (U. of Wisconsin)</u>	<u>9/10/64</u>		
<u>J. Gray (Pomona Coll)</u>	<u>1/2/66</u>		

Comments: Responds to cystine; slight inhibition by cysteine and amino graphically - leaky.
504 → 503 → 5203 → cysteine

cys (85518)

probably allelic with cys-5. Sent to

NEM for linkage with allelic tests

cys(85518) x al gave low germination - miserable progeny (M. Murray) 10/17/62 correspondence to D. A. unit

Please do not write in this space

4/4/72
min 0,0,0
cystine 0,0,0
cys 0,0,0
me 0,14,3+
app. m.t.
2373