

Record of Neurospora Culture

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

accession number

9 13

1212

GENOTYPE eth-1 (ethionine-resistant) A mating type

date 9/10/65

ALLELE DESIGNATION(S) none (isolation no.) no # (r)(t)

mating type check

YOUR STOCK NUMBER FOR THIS CULTURE X86-21

fertile vs fl^a a
not vs fl^a A

ORIGIN OF STOCK Obtained by backcrossing culture obtained from R
(for example - obtained from, induced in, from cross with, etc.)

11/20/84

PUBLISHED REFERENCE Metzenberg, Kappy, & Parson - Science 145,

XM63

(for data regarding origin, linkage, characteristics, etc.)

IF UNPUBLISHED, please indicate strain of origin, mutagen, worker, distinguishing characteristics

LINKAGE GROUP(S) ILOEIC; COMMENTS (special growth conditions, aberrations, heterocaryon compatibility, genetic background, complementation group, etc.) SL 3, free of a secondary resistance gene present in original stocks. Best scored by penetrability for 39°-40°. Can score also by ethionine-resistance - used 200 r/ml, fairly lg, inc. 25°-34°.

(use additional space on back of page if necessary)

YOUR NAME Dorothy Newman DNP DATE Aug 26, 1965

Please do not write below this line

lyophilized 9/17/65 , _____, _____, _____

checked for viability 10/1/65 , 11/2/84 OK , _____, _____

checked for genotype 14/68 resistant to ethionine at 32°C 5/3/82 OK

other storage method 9/17/65 , _____, _____, _____

checked for viability 14/65 , 4/9/82 OK , _____, _____

sent to:

name	date	name	date
(ag) J. Chalmer (U.C. La Jolla)	5/26/67	(ag) L. Landner (U of Stockholm)	11/30/70
(ag) L. W. Livingston (Yale)	7/17/67	(ag) R.W. Harding (Smithsonian Inst.)	6/24/71
(ag) M. Worley (Battelle Mem Inst Wn)	11/4/67	(ag) R.W.F. Page (U of Cambridge, Eng.)	11/24/71
(ag) C. Hersey (Trinity Coll, Ireland)	11/28/67	(ag) C. Hairker (U of Malaya, Malaysia)	7/10/72
(ag) M.L. Fall (Beed Coll)	10/15/68	(ag) D. Luck (Rockefeller U.)	5/14/73
(ag) A.G. DeBusk (Fla. State U)	6/2/69	(ag) A.J. Gobbagy (Nat. Assoc. Microbiol., Arg.)	4/1/74

Comments: * When tested on ethionine, eth-1^r is non-colonial when full-grown (2 days at 34° or 3 days at 25°) but may start out loose semi-colonial; eth-1^r is tight colonial for several days. Secondary ethionine resistance gene is present also in Em a and possibly other lab stocks but not in Oak Ridge w.t.s.; it overlaps eth-1^r at 25° but is almost like Oakridge (eth-1^r) at 34°. Test eth-1^r on ethionine at 34° to avoid trouble with secondary gene. Secondary gene grows like w.t. at 39° on minimal; r-eth-1 can't grow at 39°; so secondary gene does not interfere with scoring on min. at 39°.

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see 1220 for opposite mt.