

Record of Neurospora Culture

Fungal Genetics Stock Center, Dept. of Biological Sciences

Dartmouth College, Hanover, New Hampshire U.S.A.

FGSC # 1683

GENOTYPE ~~basic amino acid-specific permeaseless~~ <sup>but transfer</sup> basic amino acid-specific permeaseless <sup>Pmb</sup> A  
(symbol or description) mating type

date 12/9/68

ALLELE DESIGNATION(S) UM535  
(isolation no.)

YOUR STOCK NUMBER FOR THIS CULTURE UM-535 (57A)

ORIGIN OF STOCK U.V. induction in KS-20; arg-12<sup>S</sup> background  
(for example - obtained from, induced in, from cross with, etc.)

PUBLISHED REFERENCE W. M. Thwaites, A mutation reducing feedback regulation by arginine in suppressed pyr-3 mutants in Neurospora. Genetics 55: 769-781 (1967) <sup>XT28</sup>

(data regarding origin, linkage, biochemical characteristics, complementation group, etc.)

IF UNPUBLISHED, please indicate strain of origin, mutagen, worker, distinguishing characteristics (recent unpublished observations):  
deficient in basic amino acid transport, has generalized amino acid transport which can be competitively inhibited with amino butarate, seems to be permeaseless type for basic-specific transport

LINKAGE GROUP(S) & ARM IVK; COMMENTS (special growth conditions, aberrations, heterocaryon compatibility, genetic background, complementation group, etc.) not apparently linked to arg-1,10,2,3,12, 5, 6, 7, 8, or 9

(use additional space on back of page if necessary)

YOUR NAME William M. Thwaites DATE 4 December 1968

Please do not write below this line

lyophilized 12/31/68, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
checked for viability OK, 3/16/69 OK, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
checked for genotype \_\_\_\_\_  
other storage method 12/31/68, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
checked for viability OK, 4/30/69 OK, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

sent to:

name	date	name	date
(eg) R. Stephens (Florida State U)	5/9/69	(eg) S. Barthelme (Tech U, W Germany)	4/29/75
(eg) D. West (Lawrence U.)	9/17/70	(eg) T. Hayashi (Japan) As M thesis	11/1/75
(eg) D. A. Margulies (Ohio State U)	11/12/71	(eg) R. Dodder (Fla State U)	5/6/76
(eg) M. Case (Yale, Conn)	5/7/72	(eg) H. J. Flint (U of Nottingham)	8/17/78
(eg) R. Weisen (UCLA)	9/27/74	(eg) F. Buxton (U of Leeds, Eng)	8/30/79
(eg) W. D. Stewart (Stanford U)	2/28/75	(eg) W. D. Stewart (U of Hawaii - Manoa)	2/2/84

Comments:

"grows like wild type. Test: observe the rate of arginine uptake in a 50-fold excess of α-aminobutyric acid. Wild type will have ± 6 μmole/gm dry wt/min of arginine; while the mutant will be less than 0.1 μmole/gm/min." W. M. Thwaites 12/9/68

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