

Munkres, K. D.

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May 1, 1979

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Dear Ken:

Thank you for your missive of April 17 with pertinent information concerning:

- 1) your An⁺ cultures. The ones that failed to survive viability from your silica gel sample will be crossed off the list as: N. G. (no good).
- 2) Your note concerning the nd mutant (FGSC #863) was enlightening. Jim Wilson was concerned, since the sample I sent him left so much to be desired. He had suggested a note be placed into the next issue of NN due off the press in June. I will look forward to hearing something favorable of the backcrossed nd progeny and, hopefully, a valid culture of the same.
- 3) Your concern of the anhydrous silica gel method for storing cultures on a long term basis may be quite valid if your results with the Oak Ridge wild type (FGSC #987 and 988) are what they are. To answer the question you have raised concerning the background information:

These two wild types were received after the date 12-10-63; although the deposition sheet indicates the information for the culture was done 12-2-63. Hence, it is hard to tell if the cultures were grown on 12-2-63 to be sent and arrived after 12-10-63. My guess is that we received the cultures shortly after the 10th and processed same 1-22-64; since Xmas vacation fell in between these two dates. The cultures were tested for viability 1-28-64 and appeared "copacetic".

On 4-6-73 the silica was revamped, since the original sample was practically exhausted. When a request for these cultures was received at this time, a sample was grown from the silica gel. The sample for the request was transferred to a shipping tube and the remainder was used for a conidial suspension. Newly sterilized silica gel was added aseptically, to the original silica gel tube. The conidial suspension was then added to the newly sterilized silica gel. The ratio of the old silica gel to the new that was added would be very small. Viability is measured morphologically after growth of 72-96 hours at 32° C. These wild type stocks conidiated profusely as would have been expected, and judgment was passed

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X-filed

sent 5/1/79