- 3961 and 3962 -"(i) Both give <u>am i</u> recombinants on cross to <u>am</u>. Growth on N-free Vogel's liquid minimal (sucrose) with 0.01 M L-proline -15 ml liquid in 100 ml erlenmeyer. 2½ days - no shaking. 0.05 ml drop of inoculum ca 10<sup>6</sup> conidia/ml. The wild gives about 15 mg and <u>i</u> about 2 mg. Proline agar plates do not differentiate as well, if at all. (ii) Minimal (Vogel's) agar sorbose plates with 0.2 mM DL-p-fluorophenylalanine. Wild type hardly grows at all. <u>i</u> is a bit inhibited but shows a good colony from a loop on spot inoculum in 2 days. This is very clear. As a final test cross to <u>am</u>. Around 5% of the ascospores are <u>am i</u> doubles and grow extremely badly on all media - you have to have the NH<sub>4</sub><sup>+</sup> out -- e.g. glutamate as sole N-source -- to get reasonable growth." (J.R.S. Fincham).
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