

Johnson, T.E. A method for isolating large quantities of perithecia.

The desired maternal component strain is inoculated on day 0 into petri plates containing standard Westergaard's crossing medium (Am. J. Bot. (1974) 34: 573-577) supplemented with 2% sucrose and 4% agar.

On the fifth day (or whenever protoperithecia appear) 2 ml of a suspension of conidia at 10^6 /ml or greater is pipetted over the plate and spread gently with a

spreading bar if necessary. If large amounts of conidia are present on the rider of the plate, these can be removed with tissue wetted with alcohol.

Perithecia can be harvested at any time, by gently scraping the surface with a broad, blunt spatula that has a burr turned under. This preparation is relatively pure but additional purification can be obtained by chopping the material in an Omnimixer for twenty seconds at 2,000 rpm. The perithecia are then allowed to settle out in a graduated cylinder and collected and concentrated on a filter apparatus. • • Department of Molecular, Cellular and Developmental Biology, University of Colorado, Boulder, CO 80309.