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Growth studies on Neurospora crassa

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Abstract

Growth studies

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Bowman, C. and R. F. Jones. Growth studier on Neurospora crassa.

We hove found that the growth of Neuros ra crassa con be followed spectrophotometrically and that on excet ent correspondence exists between spectral and dry weight data. Cultures were grown in Vogel-r medium N, supplemented with 2% sucrose and histidine where indicated. Fernbach flasks (2800 ml) were used for dry weight determinations and 300 ml Erlenmeyer flasks with sidearm tuber were used for spectrophotometry. Readings in the Klett colorimeter (54 filter) represent the average of 5-8 separate readings, discording obviously high and low ones. Due to clumping of the mycelia, Klett readings in the stationary growth phase ronged over 40 Klett units. Sample size for dry weight measurements varied from 50 (late growth) to 200 ml (early growth). Results ore shown graphically in the two figures on the following page. - - - Department of Microbiology, University of Cincinnati, College of Medicine, Cincinnati, Ohio. 45219.

Bowman, C. and R. F. Jones.