ONLINE ISSN : 1880-7577
PRINT ISSN : 0021-4795

Mokuzai Gakkaishi
Vol. 54 (2008) , No. 2 p.80-85

[PDF (1040K)] [References]

Influence of a Nucleic Acid-related Substance on the Mycelial Growth and the Pharmacological Effects of *Pleurotus nebrodensis*

Noriko Miyazawa[1)2)] and Shoji Ohga[2)]

1) Faculty of Health and Welfare, Takasaki University of Health and Welfare
2) Faculty of Agriculture, Kyushu University

(Received April 19, 2007)
(Accepted November 7, 2007)

Abstract: The influence of a nucleic acid-related substance on *Pleurotus nebrodensis* cultivation was assessed in terms of mycelial growth and pharmacological effects. The addition of the nucleic acid-related substance facilitated the growth of mycelia in all culture media, i.e., liquid, agar and sawdust. The growth-facilitating effect of the nucleic acid-related substance was highest at 0.1% concentration in liquid and agar media. The results of tests for anti-platelet aggregation and chemokine gene expression inhibition demonstrated that mycelia tended to be active when cultured with addition of the nucleic acid-related substance to the medium. Pharmacological effects were absolutely attributed to the additive.

Keywords: *Pleurotus nebrodensis*, pharmacological effect, nucleic acid-related substance

[PDF (1040K)] [References]

doi:10.2488/jwrs.54.80
JOI JST.JSTAGE/jwrs/54.80