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ENZYMIC ACTIVITIES OF PIGMENTED AND NON- PIGMENTED STRAINS OF TRICHOPHYTON VIOLACEUM

F. Zaini M.Zarchi

Abstract:

Isolation of pigmented *T.Violaceum* from a patient with endothrix infection associated with the inflammatory and kerion symptoms and also isolation of the non- pigmented strain from another patient with non-inflammatory symptoms, led us to investigate the enzymic activities in both strains. Most of the studies on dermatophyte composition have shown the relationship between proteolytic enzymes and their pathogenicity. Both strains showed high enzymic activity for phosphatase acid, naphtha-AS-BI phosphohydropsase, N-acetil- β galactosidase, α - manosidase, α - phocosidase, the pigmented strain lacked all of those enzymic activities and showed activity for α - glucosidase. Besides all enzymic activities of phosphatase alkaline, esterase (C4), Estrase lipase (C8), leucin arylamidase, valine arylamidase, β glucosidas were higher than the activities in pigmented strain. None of the strains showed lipase (C14), β glucuronidase and urease activities.

Keywords:

[Enzymic activity](#) . [Pigmented](#) . [Non-pigmented](#)

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