

Growth Rate and Lectin Mediated Agglutination Tests in Three *Leishmania major* Strains

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Abstract

Growth rate in culture media and lectin mediated agglutination tests were done to study three *Leishmania major* Strains. These strains were the Senegallese strain MHOM / SN / 00 / DKI (SN), the Sudanese strain MHOM I SD / UG8 (SD) and the Saudi strain NHOM / SA / 84/ JtSH (SA). The in vitro behavior of the three L major strains was traced in biphasic blood agar media. The three strains grew well on the media, but the peak of maximum growth differed from one strain to another. The lectin study showed that Con A and RCA are not useful in difrentiating strains while Ulex I, Ulex II, SBA and PNA can be used in differentiating various strains as they react differently