



ABSTRACTS OF RECENT CHINESE PUBLICATIONS ON LEISHMANIASES¹ (VI)

15. Qu, J.Q. & Bao, Y.F. Dot-ELISA using monoclonal antibodies for identification of Leishmania donovani. Chinese Journal of Parasitology and Parasitic Diseases,² 1987, 5 (1): 6-8 (In Chinese, with English abstract)

This article describes the dot-enzyme-linked immunosorbent assay (dot-ELISA) using monoclonal antibodies specific to different species of Leishmania promastigotes from naturally infected sandflies. One of the monoclonal antibodies, L9E12, was selected for further analysis. The highest ascites fluid titre for promastigotes of a Xinjiang strain was 1:655360 as determined by the dot-ELISA. For two promastigotes tested with monoclonal antibody L9E4, the ascites fluid showed a titre of 1:8192 which was 3-20 times higher than the titre obtained by the indirect fluorescent antibody technique. The dot-ELISA described was therefore found to be highly sensitive, specific and fast in determining the species of the promastigotes from naturally infected sandflies.

¹ The WHO/LEISH series has been chosen as a vehicle for issuing abstracts or translations in English of papers on leishmaniasis published in the Chinese medical and scientific press as most of this material is not readily available to interested readers outside China. The numbering of the abstracts in this document is consecutive to that of the abstracts given in the previous WHO/LEISH/87.24.

² The attention of readers is drawn to the fact that in 1987 the English title of the Journal of Parasitology and Parasitic Diseases was changed to the Chinese Journal of Parasitology and Parasitic Diseases.

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