

A survey on antibody levels among individuals at risk of Brucellosis in Khorasan Razavi Province, Iran

Parizadeh, S.M.J.^{ab}, Seyednozadi, M.^a, Erfanian, M.R.^a, Nezhad, M.A.^c

^a Department of Community Health, **Mashhad University of Medical Sciences (MUMS)**, **Mashhad**, Iran

^b Health Center of Khorasan Razavi Province, **Mashhad University of Medical Sciences (MUMS)**, **Mashhad**, Iran

^c Avicenna Research Institute, **Mashhad University of Medical Sciences (MUMS)**, Bu-ali Sq, Ferdowsi Blvd., **Mashhad** 9196773117, Iran

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Abstract

Brucellosis is being reported with exceeding frequency in Iran. Serum antibodies in high-risk and general populations help to determine cut-off points and could be used as simple and fast diagnostic tests in involved areas. We have conducted the serum agglutination test, Combs' Wright and γ -mercaptoethanol titer determination on 908 healthy people. The analysis of our data shown that 27% out of healthy subjects, 30.3% were serum agglutination test and Combs' Wright test positive that 12% of them had titer more than 1:80 and 82.2% had titer less than 1:80. 66.3% of them were γ mercaptoethanol titer positive. Basic and medium titers in whole of population were between 1:20-1:40. There are no high titers of these antibodies in endemic areas of Iran. © Asian Network for Scientific Information, 2009.

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