

Resource Summary Report

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Detection of anti- SpA antibodies in egg white tested by double immunodiffusion (Ouchterlony) technique.

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Protocol Information

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Summary: Keyhole limpet hemocyanin (KLH) is a copper-containing protein comprising of subunits with MW of 400 kDa. This protein is found in the hemolymph of the sea mollusk *Megathura crenulata*. It has the ability to enhance the host's immune response by interacting with monocytes, T cells and macrophages. KLH has been used primarily as a carrier for vaccines and antigens [1]. It was found that chicken immunized with KLH bound peptide raised an anti-KLH immunoresponse [2]. This can be tested by a single method such as the Ouchterlony technique. Reference 1. Aarntzen EH, de Vries IJ, Göertz JH, et al. Humoral anti-KLH responses in cancer patients treated with dendritic cell-based immunotherapy are dictated by different vaccination parameters. *Cancer Immunol Immunother.* 2012;61(11):2003-2011. doi:10.1007/s00262-012-1263-z2. Justiz Vaillant AA, Anderson MF, Smikle M, Wisdom B, Mohammed W, et al. (2013) Development of Anti HIV Gp120 and HIV Gp41 Peptide Vaccines. *J Vaccines Vaccin* 4: 206. doi: 10.4172/2157-7560.1000206

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