

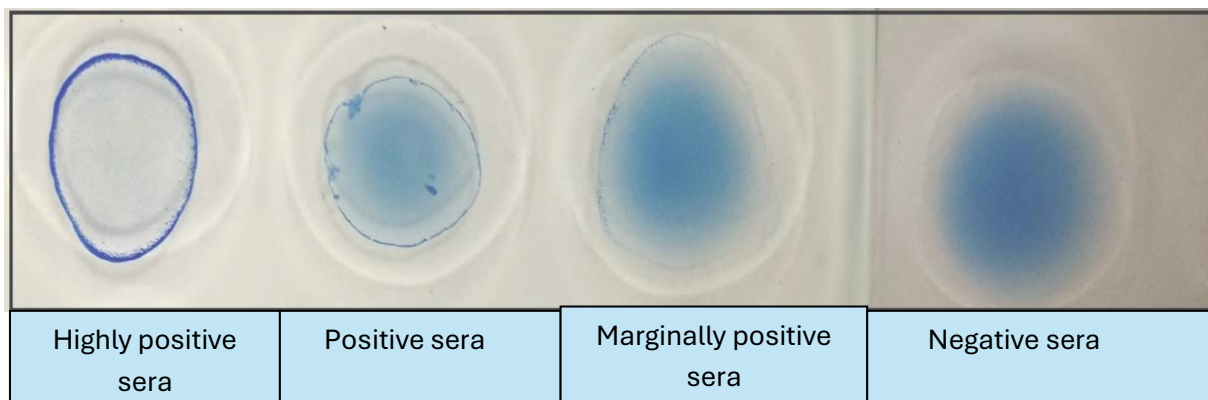


Multiple antigenic peptide (MAP) based Latex agglutination test (LAT) for serodiagnosis of Bovine coxiellosis

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Brief Description: The present product/technology is intended for serological screening coxiellosis in bovines. The MAP comprises of a specific and immunogenic linear antigenic peptide (LAP) of Com1 protein arranged in multiple orientations (with two branches of LAP) which increases the surface binding of the antibodies developed against Coxiella. The developed Com1-MAP based LAT assay recorded the relative sensitivity and relative specificity of 83.09% and 97.60%, respectively, with the kappa value of 0.812 when compared with ELISA taken as a reference test. The developed assay is rapid, reliable, cost effective and can be used for on-site screening of the bovine population without the need of highly sophisticated laboratory and trained personnel to perform the test.

Cost of the technology: Yet to be decided



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