WELCOME

AN INDIRECT ELISA FOR DIFFERENTIATION OF FMDV INFECTED FROM VACCINATED ANIMALS USING RECOMBINANT NON-STRUCTURAL PROTEIN 2C

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- DIAGNOSTICS
- FMD MONITORING AND SURVEILLANCE
- Transboundary Disease

SIGNIFICANCE

- Developed recombinant $2C_t$ based immunoassay will help in identification of infected animals amongst the vaccinated animals.
- Antibodies against $2C_t$- Most reliable indicator for DIVA as 2C is membrane associated and remain absent in the purified vaccine.
- $2C_t$ ELISA would help in devising DIVA diagnostic strategy, if Adeno vectored vaccines become a reality in future.
- Developed $2C_t$ NSP can be used alongside the currently used 3AB3 and 3ABC NSP ELISAs to increase the confidence in surveillance results. Multiple NSP-ELISA increase the likelihood of detecting, or confirming, an infected animal.