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## Molecular and serological studies of epidemiological equine *influenza* virus in horse farms in Kingdom of Saudi Arabia

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Equine Influenza Virus (EIV) surveillance is important in the management of equine influenza. It provides data on circulating and newly emerging strains for vaccine strain selection. To this end, antigenic characterization by Haemagglutination Inhibition Assay (HI) was carried out on 507 equine influenza samples collected in Kingdom of Saudi Arabia during 2009 and 2010. 493 samples were isolated that tested positive for haemagglutination inhibition assay. Samples were also tested by reverse transcription-PCR (RT-PCR) using the matrix primers which proved to be the most sensitive method for the detection of virus.

### Biography

Faten Ahmad Al-Sulaimany has completed her Postgraduate studies (Master's degree) and PhD from King Abdul-Aziz University (KAU), Jeddah, Saudi Arabia. She is currently working as an Assistant Professor at the Department of Biology, College of Sciences at KAU. Her research interests lie in Microbiology, Virology, and Biotechnology. She has published a number of papers related to the said fields. She has also attended a number of conferences, and has been a member of some recognized scientific associations.

### Notes: