

A post-import quarantine survey of infectious diseases in breeding animals

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The study objective was to present the evidence through evaluation of tests performed on animals during the post-import quarantine. This study examines data presented on the introduction of animal infectious diseases of the breeding animals through international trade during 2007-2011 in the post-import quarantine period. Tests were performed in order to reconfirm the negativity as stated in the veterinary certificates that accompany the imported animals. Total of 202 bulls/heifers and 526 boars/gilts from 4 study sites underwent testing by OIE recommended serological tests on paraTB, tuberculosis, brucellosis, leptospirosis, FMD, leucosis, bluetongue, IBR/IPV or, PRRS, brucellosis, leptospirosis, FMD, CSF and tuberculosis, respectively. Imported animals originated from the EU. Two heifers imported from Germany were positive on leptospirosis. Five boars imported from Germany were positive on leptospirosis and two boars imported from Poland were positive on PRRS and leptospirosis. One boar imported from Germany was positive on brucellosis. At the same time, Germany reported presence of diseases to the OIE. Our findings contributed to the fact that despite the veterinary certificates that accompany all imported breeding animals stating for diseases-free status in the region or herd and/or animals diseases-free, the quarantine of breeding animals consigned to the Centers for production of semen is essential and should be a priority. Taken together, our findings confirm that there is need for post-import quarantine for breeding animals in addition to examination performed prior consignment is consigned. Post-import quarantine is a risk-based approach that facilitates safe trade of animals. It is necessary because detection, control and eradication of introduced and spread zoonoses are usually very difficult and costly. Due to biological complexity, it is not easy and often impossible to identify how and when an infectious disease was introduced if discovered after quarantine period.