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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00022

Sender Details:

Date Received: 30th April 2009
Country of Origin: Kenya
Date Reported: 8th October 2009

Report no:	VNT		LPBE	
Vaccine:	Sat1 Rho 12/78		Sat1 Rho 12/78	
Field Isolate:	Sat1 Rho 12/78		Sat1 Rho 12/78	
Sat1 Ken 12/2009	mean	0.13	Mean	0.00
Sat1 Ken 15/2009	mean	0.31	Mean	0.25

Results Approved By:



Official Stamp:

Institute for Animal Health
Pirbright Laboratory

08 OCT 2009

Date: 8/10/2009

Division of Epidemiology

To help us improve the quality of our service, please send any suggestions or requests to the Reference Laboratory by fax (+44 (0) 1483 232621 or email: elizabeth.byrom@bbsrc.ac.uk)

Interpretation of Results

In the case of Virus Neutralisation Test (VNT):

$r_1 = \geq 0.3$. Suggests that there is a close relationship between field isolate and vaccine strain. A potent vaccine containing the vaccine strain is likely to confer protection.

$r_1 = < 0.3$. Suggests that the field isolate is so different from the vaccine strain that the vaccine is unlikely to protect

In the case of Liquid Phase Blocking Elisa (LPBE):

$r_1 = 0.4-1.0$. Suggests that there is a close relationship between field isolate and vaccine strain. A potent vaccine containing the vaccine strain is likely to confer protection.

$r_1 = 0.2-0.39$, Suggests that the field isolate is antigenically related to the vaccine strain. The vaccine strain might be suitable for use if no closer match can be found provided that a potent vaccine is used and animals are preferably immunised more than once.

$r_1 = < 0.2$. Suggests that the field isolate is so different from the vaccine strain that the vaccine is unlikely to protect.