



INSTITUTE FOR ANIMAL HEALTH
Acting Director: Professor David Paton MA, VetMB, PhD, MRCVS
PIRBRIGHT LABORATORY

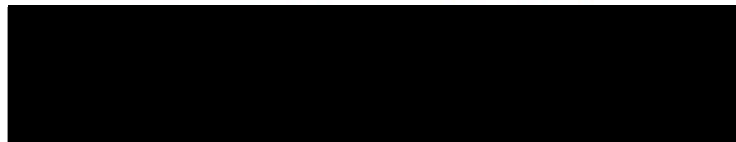
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Tel: 01483 232441 Fax: 01483 232621

FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2010/00038

Sender Details:



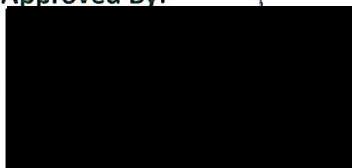
Date Received: 9th November 2010

Country of Origin: Zambia

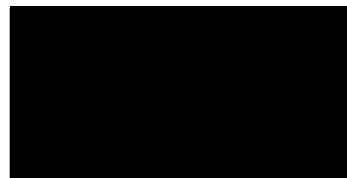
Date Reported: 20th January 2011

Report no:	VNT						LPBE		
Vaccine:		○	○	○ Ind	○	○ Tur		○	
Field Isolate:	VNT	4625	Bfs	R2/75	Manisa	5/09	LPBE	BFS	Manisa
○ Zam 4/2010	Mean	>0.71	0.29	0.85	0.31	>0.98	Mean	0.10	0.30

Results Approved By:



Official Stamp:



Date:

24/1/11

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.wilson@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.

ND = Not done.

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.

DNT = Did not trap.

ND = Not done.