

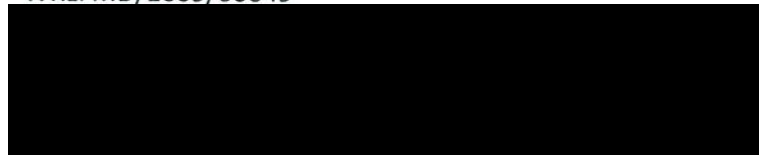


INSTITUTE FOR ANIMAL HEALTH
Director: Professor Martin W. Shirley, PhD
PIRBRIGHT LABORATORY
Ash Road,
Pirbright,
Surrey,
GU24 0NF
Intn Tel: 00 44 1483 232441
Tel: 01483 232441 Fax: 01483 232621

FMD Vaccine Matching Strain Differentiation Report

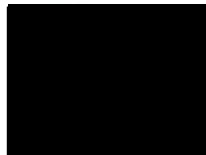
Lab Reference WRL Batch Number: WRLFMD/2009/00049

Sender Details:

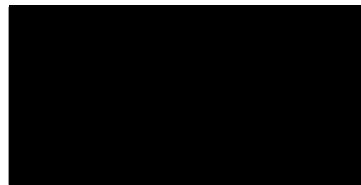


Date Received: 28th September 2009
Country of Origin: Pakistan
Date Reported: 18th November 2009

Results Approved By:



Official Stamp:



Date: 20/11/2009

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)

Report no:	VNT							LPBE				
Vaccine:	A22 Irq	A Tur06	A Sau 41/91	A Ind 17/82	A Irn87	A Irn99	A May 97		A Irn 87	A Irn 99	A22 Irq 24/64	
Field Isolate:												
A Pak 23/2009	Mean	0.07	0.23	0.04	0.18	0.11	0.08	0.06	Mean	0.29	0.16	0.11
A Pak 24/2009	Mean	0.10	0.32	0.04	0.17	0.10	0.10	0.09	Mean	0.21	0.21	0.17

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.