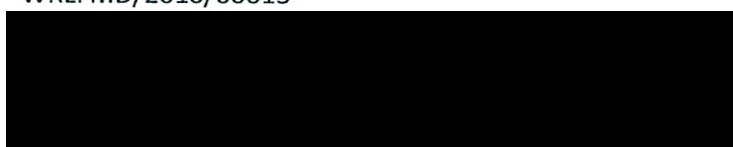**WRLFMD**

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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2010/00015

Sender Details:

█████████████████████████████

Date Received: 9th April 2010
Country of Origin: Pakistan
Date Reported: 29th July 2010

Report no:	VNT						LPBE				
Vaccine:		A Eritrea	A Ind 17/82	A22 Irq	A Sau 41/91	A Tur06		A22 Irq 24/64	A Eritrea	A Irn 87	A Irn 99
Field Isolate:	VNT						ELISA				
A Pak 12/10	mean	0.19	0.09	0.53	0.31	0.85	mean	0.17	0.15	0.25	0.13
A Pak 24/10	mean	0.23	0.08	0.34	0.47	0.69	mean	0.05	0.33	0.29	0.11

Results Approved By: ███████████   **Official Stamp:**

(red circular stamp: INSTITUTE FOR ANIMAL HEALTH — PIRBRIGHT LABORATORY)

Date: 29/07/2010

███

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):

$r_1 = 0.4\text{-}1.0$. 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.
$r_1 = 0.2\text{-}0.39$, 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.