**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/2010/00035
**Sender Details:** [redacted]

**Date Received:** 5th November 2010
**Country of Origin:** Vietnam
**Date Reported:** 17th January 2011

**Re.: Serotype O**

| Report no: | VNT | | | | | | | LPBE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Vaccine: / Field Isolate: | VNT | O 3039 | O 4625 | O Bfs | O Ind R2/75 | O Manisa | O Taw98 | LPBE | O BFS 1860 | O Manisa |
| O Vit 2/2010 | Mean | >0.72 | 0.42 | 0.10 | 0.36 | 0.28 | 0.52 | Mean | 0.16 | 0.50 |
| O Vit 12/2010 | Mean | >0.66 | >0.56 | 0.13 | 0.36 | 0.44 | >0.78 | Mean | 0.38 | 0.89 |

**Results Approved By:** [redacted]

**Official Stamp:** [redacted]

**Date:** 17/1/11

[redacted]

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.