



**INSTITUTE FOR ANIMAL HEALTH**  
Acting Director: Professor David Paton MA, VetMB, PhD, MRCVS  
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/2010/00040

Sender Details:



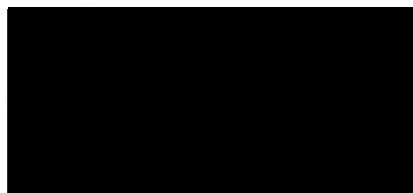
Date Received: 17<sup>th</sup> November 2010

Country of Origin: Iran

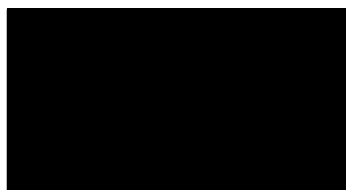
Date Reported: 20<sup>th</sup> January 2011

| Report no:        | VNT  |      |      |       |        |       |
|-------------------|------|------|------|-------|--------|-------|
| Vaccine:          |      | O    | O    | O Ind | O      | O Tur |
| Field Isolate:    | VNT  | 4625 | Bfs  | R2/75 | Manisa | 5/09  |
| O Irn<br>225/2010 | Mean | 0.71 | 0.29 | >0.95 | 0.33   | >0.91 |

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](mailto: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.