

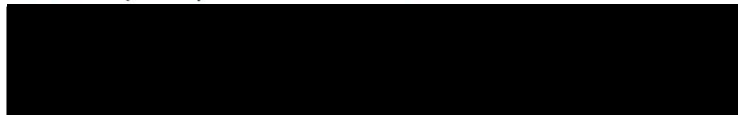


INSTITUTE FOR ANIMAL HEALTH  
Director: Professor Martin W. Shirley, PhD  
PIRBRIGHT LABORATORY  
Ash Road,  
Pirbright,  
Surrey,  
GU24 0NF  
Intn Tel: 00 44 1483 232441  
Tel: 01483 232441 Fax: 01483 232621

## FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00054

Sender Details:



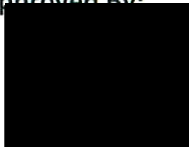
Date Received: 4<sup>th</sup> December 2010

Country of Origin: Iran

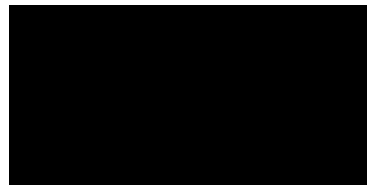
Date Reported: 5<sup>th</sup> March 2010

Report no:	2dmVNT				LPBE				
Vaccine:	2dm VNT	O Bfs	O Ind R2/75	O Manisa	LPBE	O 4174	O BFS 1860	O Tai 189/87	O Manisa
Field Isolate:									
O Irn 51/2009	Mean	0.61	0.79	0.24	Mean	DNT	0.38	DNT	>1
O Irn 72/2009	Mean	0.17	>1.0	0.31	Mean	DNT	DNT	DNT	≥1.38
O Irn 76/2009	Mean	0.57	0.64	0.21	Mean	DNT	0.24	DNT	>1

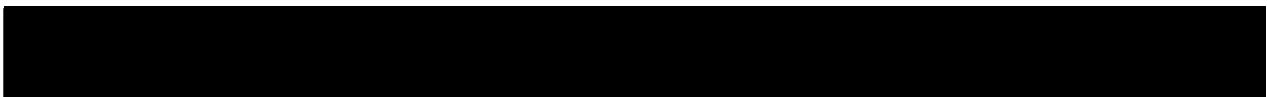
Results Approved By:



Official Stamp:



Date: 5/3/2010



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](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.