



**INSTITUTE FOR ANIMAL HEALTH**  
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## FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2010/00024  
Sender Details: [REDACTED]  
Date Received: 26<sup>th</sup> May 2010  
Country of Origin: Iran  
Date Reported: 4<sup>th</sup> January 2011

Report no:	VNT					LPBE				
Vaccine:		○	○	○	○		○	○	○	○
Field Isolate:	VNT	Bfs	Ind R2/75	Manisa	Taw98	LPBE	4625	BFS 1860	4174	Manisa
○ Irn 88/2010	Mean	0.22	0.76	0.24	0.57	Mean	0.41	0.29	DNT	0.12
○ Irn 92/2010	Mean	0.23	0.62	0.24	0.63	Mean	DNT	DNT	DNT	DNT
○ Irn 99/2010	Mean	0.28	>1.0	0.25	0.54	Mean	0.50	DNT	DNT	0.42
○ Irn 143/2010	Mean	0.26	>1.0	0.35	0.75	Mean	DNT	DNT	DNT	0.36
○ Irn 149/2010	Mean	0.18	0.68	0.22	0.37					

Results Approved By: [REDACTED]

Official Stamp: [REDACTED]

Date: 5.1.11

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.