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## FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00034  
Sender Details:   
Date Received: 22<sup>nd</sup> June 2009  
Country of Origin: Iran  
Date Reported: 4<sup>th</sup> December 2009

Report no:	VNT				LPBE					
Vaccine:										
Field Isolate:	VNT	○ Manisa	○ Bfs	○ Ind R2/75	ELISA	○ 4174	○ BFS 1860	○ Hkn 6/83	○ Taw 189/87	○ Manisa
○ Irn 40/2009	Mean	0.44	>0.76	>1.0	Mean	0.59	0.25	>1	0.84	>1

Results A 

Official Stamp: 

Date: 9/12/09

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.