



**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: 16<sup>th</sup> September 2010

Results Approved By: [REDACTED]

Official Stamp: [REDACTED]

Date:

16/9/10

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)

Report no:	VNT								LPBE				
Vaccine:	VNT	A Eritrea	A Ind 17/82	A Irn87	A Irn96	A22 Irq	A Sau41/91	A Tur06	LPBE	A22 Irq 24/64	A Eritrea	A Irn 87	A Irn 99
Field Isolate:													
A Irn 73/2010	mean	0.20	0.21	0.11	0.17	0.24	0.12	0.68	mean	0.19	DNT	0.08	0.16
A Irn 80/2010	mean	0.22	0.22	0.16	0.15	0.23	0.09	0.44	mean	0.16	0.25	0.15	0.26
A Irn 125/2010	mean	0.08	0.09	0.05	0.05	0.24	0.27	0.68	mean	0.25	0.06	0.05	DNT

### 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.