

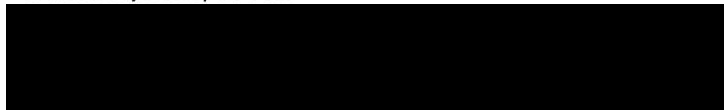


**INSTITUTE FOR ANIMAL HEALTH**  
Director: Professor Martin W. Shirley, PhD  
PIRBRIGHT LABORATORY  
Ash Road,  
Pirbright,  
Surrey,  
GU24 0NF  
Intn Tel: 00 44 1483 232441  
Tel: 01483 232441 Fax: 01483 232621

## FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2010/00002

Sender Details:



Date Received: 20<sup>th</sup> January 2010

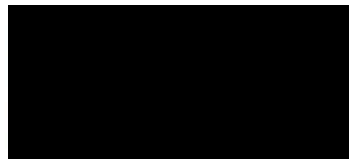
Country of Origin: Eritrea

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

Results Approved By:



Official Stamp:



Date: 5<sup>th</sup> May 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))

Report no:	VNT										LPBE				
Vaccine:		A Eri 3/98	A Ind 17/82	A Irn87	A Irn96	A Irn99	A22 Irq	A May97	A Sau 41/91	A Tur06	ELISA	A22 Irq 24/64	A Eritrea	A Irn 87	A Irn 99
Field Isolate:	VNT														
A Eri 1/2006	Mean	0.35	0.15	0.11	0.09	0.10	0.04	0.11	0.08	0.14	Mean	DNT	0.35	DNT	DNT
A Eri 4/2007	Mean	0.31	0.18	0.10	0.04	0.13	0.08	0.09	0.10	0.18	Mean	DNT	0.38	DNT	DNT
A Eri 1/2008	Mean	0.23	0.23	0.12	0.05	0.05	0.04	0.07	0.09	<0.08	Mean	DNT	0.69	DNT	DNT
A Eri 16/2009	Mean	0.30	0.14	0.10	0.05	0.10	0.05	0.08	0.08	0.13	Mean	DNT	≥0.75	DNT	DNT
A Eri 40/2009	Mean	0.13	0.10	0.04	0.06	0.04	0.04	0.07	0.04	>0.09	Mean	DNT	0.18	DNT	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