

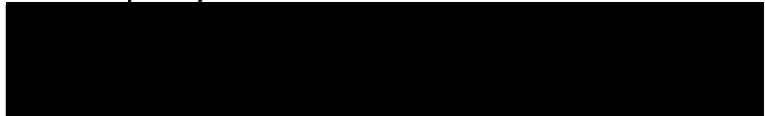


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## FMD Vaccine Matching Strain Differentiation Report

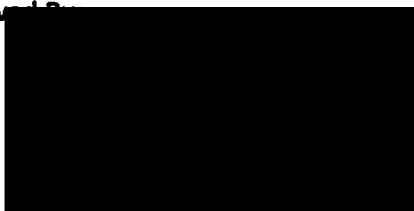
Lab Reference WRL Batch Number: WRLFMD/2009/00015

Sender Details:



Date Received: 16<sup>th</sup> March 2009  
Country of Origin: Yeman  
Date Reported: 15<sup>th</sup> of August 2009

Results Approved By:

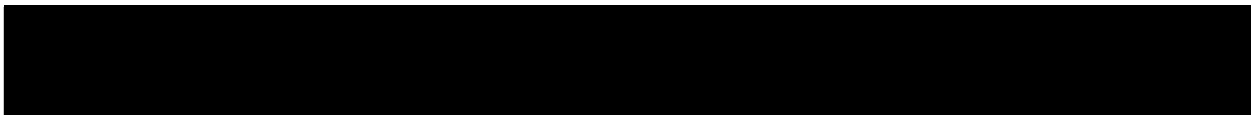


Official Stamp:

Dr JEF HAMMOND  
HEAD: Vesicular  
Reference Laboratories  
Institute For Animal Health  
Pirbright Laboratory

Date:

18/9/09



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.byrom@bbsrc.ac.uk](mailto:elizabeth.byrom@bbsrc.ac.uk))

Report no:	VNT				LPBE					
Field Isolate:	VNT	○ Manisa	○ Bfs	○ Ind R2/75	ELISA	○ 4174	○ BFS 1860	○ 4625	○ 3039	○ Manisa
○ Yem 5/2009	mean	0.08	0.15	>0.63	mean	0.17	0.08	0.71	0.50	0.44
○ Yem 42/2009	mean	0.04	0.05	0.65	mean	0.18	0.18	0.88	0.57	0.44
○ Yem 56/2009	mean	0.21	0.36	>1.0	mean	0.25	0.17	0.71	0.84	0.71

### **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

#### **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