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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00009
Sender Details: [redacted]

Date Received: 9th March 2009
Country of Origin: Turkey
Date Reported: 14th July 2009

	2dmVNT				LPBE			
Field Isolate:	2dmVNT	O Manisa	O Bfs	O Ind R2/75	ELISA	O 4174	O BFS 1860	O Manisa
O Tur 3/2009	mn44/09	fail vt			SD 54/09	0.06	0.03	0.13
					SD 56/09	0.03	0.02	0.17
	mn49/09	0.72	0.23	>1.0				
	mn68/09	>1.0	0.26	>1.0				
	mean	>0.86	0.25	>1.0	mean	0.05	0.03	0.15
O Tur 35/2009	mn44/09	fail vt			SD 54/09	0.33	Did not trap	Did not trap
					SD 56/09	0.17		
					SD 58/09	0.33		
	mn68/09	0.26	0.19	0.26				
	mn74/09	0.22	0.72	0.72				
	mn78/09	fail	0.08	0.17				
	mn79/09	0.23						
	mn81/09		0.12	0.58				
	Mean	0.24	0.28	0.43	Mean	0.28		

Results Approved E [redacted]

Official Stamp: [redacted]

Date: 15/07/09

[redacted]

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)

In the case of VNT:

r_1 = ≥ 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 ELISA:

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