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To:

Fax Number:

CC:

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From:

Date: 1st May 2009

Subject: Vaccine Matching Report

No. Of Pages: 2

FAX

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Thank you.

Dear [REDACTED],

Please find below the interim vaccine matching ("r1") value report for O Tur3/2009 and O Tur35/2009.

Yours sincerely,

Head: Vesicular Reference Laboratory

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The Institute is sponsored by the Biotechnology and Biological Sciences Research Council. An Associated Institute of the University of Reading.

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CC. Dr. N Ferris, Dr. D King, Dr. Y Li, Mr. B. Statham, Ms. J Stoner, Dr. K Sumption, Dr. J Lubroth, OIE Animal Health Information.

Report no: 12/09		ELISA			
Field Isolate:		Vaccine:	O 4174	O BFS 1860	O Manisa
O Tur 3/2009	Test 1	SD 54/09	0.06	0.03	0.13
	Test 2	SD 56/09	0.03	0.02	0.17
		Mean		0.05	0.03
O Tur 35/2009	Test 1	SD 54/09	0.33	Did not trap	Did not trap
	Test 2	SD 56/09	0.17		
	Test 3	SD 58/09	0.33		
		Mean		0.28	

Interpretation of r_1 values

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.

In the case of neutralisation:

$r_1 = \geq 0.3$. 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.

N.B.

All of our phylogenetic trees can be accessed via the internet at:

http://www.iah.bbsrc.ac.uk/primary_index/current_research/virus/Picornaviridae/Aphthovirus/index.html