



Institute for Animal Health

Registered Office: Compton, Newbury, Berks RG20 7NN
Tel: +44 (0)1635-578411 Fax: +44 (0)1635-577237
E-mail: iah@bbsrc.ac.uk Website: <http://www.iah.bbsrc.ac.uk>

Director: Professor Martin W Shirley, PhD

Reply to Pirbright Laboratory

Direct Dial: 01483 231014

E-mail: chris.chisholm@bbsrc.ac.uk

15th May 2008



Dear [REDACTED]

Strain differentiation results for serotype O FMD virus isolates received from Pakistan on 3rd March 2008..

The following r_1 values were recently obtained by VNT at the WRL.

WRL Ref Number	r_1 Values by neutralisation test against vaccine strains below		
	BFS 1860	O Ind R2/75	O Manisa
O PAK 1/2008	0.73	>1.0	0.67
O PAK 2/2008	0.41	>1.0	0.84

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.

Yours sincerely



Head: World Reference Laboratory for FMD

Cc: [REDACTED]