



# Institute for Animal Health

Registered Office: Compton, Newbury, Berkshire RG20 7NN

Telephone: +44 (0) 1635-578411 Facsimile: +44 (0) 1635-577237

e-mail: iah@bbsrc.ac.uk Website: <http://www.iah.bbsrc.ac.uk>

Director: Professor Martin Shirley PhD

Reply to Pirbright Laboratory

Fax: 01483 232621

Direct Dial: 01483 231014

E-mail: [chris.chisholm@bbsrc.ac.uk](mailto:chris.chisholm@bbsrc.ac.uk)

**To:** [REDACTED]  
**Fax Number:** [REDACTED]  
**From:** [REDACTED]  
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**Subject:** Strain Differentiation Results  
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# FAX

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Thank you.

Dear [REDACTED]

Strain differentiation results for serotype O FMD virus isolate received from Ethiopia on 28<sup>th</sup> March 2008

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

<b><math>r_1</math> Values by VNT</b>	
	<b>O Manisa</b>
<b>O Eth 26/07</b>	0.54

Yours sincerely

[REDACTED]  
**Head: Epidemiology Division**

c.c. [REDACTED]

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Pirbright Laboratory  
Ash Road, Pirbright, Woking  
Surrey GU24 0NF  
Tel: 01483-232441  
Fax: 01483-232448

Compton Laboratory  
Compton, Newbury,  
Berkshire RG20 7NN  
Tel: 01635-578411  
Fax: 01635-577237

## **Interpretation of $r_1$ values**

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