

**Test Results of forty-one samples received from Bhutan on 22<sup>nd</sup> March 2004**

<b>Your Reference</b>	<b>WRL Reference</b>	<b>Description of Sample</b>	<b>Serotyping Result by ELISA</b>	<b>PCR Result</b>	<b>Remarks</b>
940 5(4) RVEC/2003-04/516 Southern Region	BHU 47/2003	Bovine Female Epithelium	O	+ve	Direct antigen ELISA positive. Positive after passage in BTY* but negative in IB-RS2** cells
966 (1) Western Region	BHU 48/2003	Bovine Female Epithelium	O	+ve	Direct antigen ELISA positive. Positive after passage in both BTY and IB-RS2 cells
966 (2) Western Region	BHU 49/2003	Bovine Female Epithelium	O	+ve	Direct antigen ELISA negative. Negative after passage in IB-RS2 cells but positive in BTY cells.
966 (3) Western Region	BHU 50/2003	Bovine Female Epithelium	NVD***	+ve****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
02 (1) Western Region	BHU 1/2004	Bovine Male Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
02 (2) Western Region	BHU 2/2004	Bovine Male Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
02 (3) Western Region	BHU 3/2004	Bovine Male Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
02 (4) Western Region	BHU 4/2004	Bovine Male Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
02 (5) Western Region	BHU 5/2004	Bovine Male Epithelium	NVD	+ve****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
02 (6) Western Region	BHU 6/2004	Bovine Male Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
02 (7) Western Region	BHU 7/2004	Bovine Male Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
02 (8) Western Region	BHU 8/2004	Bovine Male Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.

<b>Your Reference</b>	<b>WRL Reference</b>	<b>Description of Sample</b>	<b>Serotyping Result by ELISA</b>	<b>PCR Result</b>	<b>Remarks</b>
35 (1) Southern Region	BHU 9/2004	Bovine Female Epithelium	NVD	+ve****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
35 (2) Southern Region	BHU 10/2004	Bovine Female Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
35 (3) Southern Region	BHU 11/2004	Bovine Male Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
35 (4) Southern Region	BHU 12/2004	Bovine Male Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
36 (1) Southern Region	BHU 13/2004	Bovine Male Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
36 (2) Southern Region	BHU 14/2004	Bovine Male Epithelium	NVD	+ve****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
36 (3) Southern Region	BHU 15/2004	Bovine Male Epithelium	NVD	+ve****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
61 (1) Eastern Region	BHU 16/2004	Bovine Female Epithelium	NVD	+ve****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
61 (2) Eastern Region	BHU 17/2004	Bovine Female Epithelium	O	+ve	Direct antigen ELISA positive. Negative after passage in both BTY and IB-RS2 cells.
61 (3) Eastern Region	BHU 18/2004	Bovine Male Epithelium	NVD	+ve****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
61 (4) Eastern Region	BHU 19/2004	Bovine Male Epithelium	O	+ve	Direct antigen ELISA positive. Negative after passage in both BTY and IB-RS2 cells.
68 Southern Region	BHU 20/2004	Bovine Female Epithelium	NVD	+ve****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.

Your Reference	WRL Reference	Description of Sample	Serotyping Result by ELISA	PCR Result	Remarks
100 (1) Eastern Region	BHU 21/2004	Bovine Female Epithelium	NVD	+ve****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
100 (2) Eastern Region	BHU 22/2004	Bovine Female Epithelium	NVD	+ve****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
90 Western Region	BHU 23/2004	Bovine Female Epithelium	O	+ve	Direct antigen ELISA positive. Negative after passage in both BTY and IB-RS2 cells.
145 Eastern Region	BHU 24/2004	Bovine Female Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
146 Eastern Region	BHU 25/2004	Bovine Female Epithelium	NVD	+ve****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
139 Western Region	BHU 26/2004	Bovine Female Epithelium	O	+ve	Direct antigen ELISA positive. Positive after passage in BTY but negative in IB-RS2 cells.
140 Western Region	BHU 27/2004	Bovine Female Epithelium	O	+ve	Direct antigen ELISA positive. Positive after passage in BTY but negative in IB-RS2 cells.
141 Western Region	BHU 28/2004	Bovine Female Epithelium	NVD	+ve****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells.
142	BHU 29/2004	Bovine Male Epithelium	O	+ve	Direct antigen ELISA positive. Negative after passage in both BTY and IB-RS2 cells.

- \* BTY: Primary bovine thyroid cells  
\*\* IB-RS-2: Continuous pig kidney cell line  
\*\*\* NVD: No virus detected  
\*\*\*\* Further work will be undertaken to try to determine the serotype.