

Test Results of forty-one samples received from Bhutan on 4th December 2003

Your Reference	WRL Reference	Description of Sample	Serotyping Result by ELISA	PCR Result	Remarks
1084 West Central Region	BHU 6/2003	Bovine Epithelium	A	POS	Direct antigen ELISA negative. Positive after passage in both BTY and IB-RS2 cells
1085 West Central Region	BHU 7/2003	Bovine Epithelium	A	POS	Direct antigen ELISA negative. Positive after second passage in BTY cells
1086 West Central Region	BHU 8/2003	Bovine Epithelium	A	POS	Direct antigen ELISA negative. Positive after passage in both BTY and IB-RS2 cells
1403 West Central Region	BHU 9/2003	Bovine Epithelium	O	POS	Direct antigen ELISA negative. Positive after passage in both BTY and IB-RS2 cells
632(1) Southern Region	BHU 10/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
632(2) Southern Region	BHU 11/2003	Bovine Epithelium	NVD	NEG	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
632(3) Southern Region	BHU 12/2003	Bovine Epithelium	NVD	NEG	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
267 Eastern Region	BHU 13/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
286 Eastern Region	BHU 14/2003	Bovine Epithelium	O	POS	Direct antigen ELISA negative. Positive after passage in both BTY and IB-RS2 cells
287(1) Eastern Region	BHU 15/2003	Bovine Epithelium	O	POS	Direct antigen ELISA negative. Positive after passage in BTY cells
287(2) Eastern Region	BHU 16/2003	Bovine Epithelium	NVD	NEG	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
661 Southern Region	BHU 17/2003	Bovine Epithelium	NVD	NEG	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
662 Southern Region	BHU 18/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
663 Southern Region	BHU 19/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
342 Southern Region	BHU 20/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
422 Southern Region	BHU 21/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
274(1) Eastern Region	BHU 22/2003	Bovine Epithelium	O	POS	Direct antigen ELISA negative. Positive after passage in both BTY and IB-RS2 cells
274(2) Eastern Region	BHU 23/2003	Bovine Epithelium	NVD	NEG	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
274(3) Eastern Region	BHU 24/2003	Bovine Epithelium	O	POS	Direct antigen ELISA negative. Positive after passage in BTY cells
274(4) Eastern Region	BHU 25/2003	Bovine Epithelium	O	POS	Direct antigen ELISA positive. Positive after passage in both BTY and IB-RS2 cells
729 Southern Region	BHU 26/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
1626(1) West Central Region	BHU 27/2003	Bovine Epithelium	A	POS	Direct antigen ELISA positive. Positive after passage in BTY cells
299 Eastern Region	BHU 28/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
715(1) Southern Region	BHU 29/2003	Bovine Epithelium	NVD	POS*****	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
715(2) Southern Region	BHU 30/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
718 Southern Region	BHU 31/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
1438(1) West Central Region	BHU 32/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
728(1) Southern Region	BHU 33/2003	Bovine Epithelium	NVD	NEG	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
728(2) Southern Region	BHU 34/2003	Bovine Epithelium	NVD	NEG	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
1438(2) West Central Region	BHU 35/2003	Bovine Epithelium	A	POS	Direct antigen ELISA negative. Positive after passage in both BTY and IB-RS2 cells
1438(3) West Central Region	BHU 36/2003	Bovine Epithelium	NVD	NEG	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
OR-25 West Central Region	BHU 37/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
1163 West Central Region	BHU 38/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
1141 West Central Region	BHU 39/2003	Bovine Epithelium	NVD	NEG	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
1745 West Central Region	BHU 40/2003	Bovine Epithelium	A	POS	Direct antigen ELISA negative. Positive after passage in both BTY and IB-RS2 cells
1443 West Central Region	BHU 41/2003	Bovine Epithelium	O	POS	Direct antigen ELISA negative. Positive after passage in both BTY and IB-RS2 cells

Your Reference	WRL Reference	Description of Sample	Serotyping Result by ELISA	PCR Result	Remarks
1626(2) West Central Region	BHU 42/2003	Bovine Epithelium	A	POS	Direct antigen ELISA negative. Positive after passage in both BTY and IB-RS2 cells
864(1) Southern Region	BHU 43/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
864(2) Southern Region	BHU 44/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
865(1) Southern Region	BHU 45/2003	Bovine Epithelium	NVD	POS*****	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
865(2) Southern Region	BHU 46/2003	Bovine Epithelium	NVD	NEG	Direct antigen ELISA negative. 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.