

Additional file 3

Observed equivalent proportion (%): 19.9

Method: Excluding equivocal results

Equivalent proportion used for calculation (%)

	PPV (95% CI)	NPV (95% CI)	Eq	TP	FN	FP	TN	N
Observed (19.9)	94.9 (87.4 to 98.6)	90.0 (86.5 to 92.8)	116	74	39	4	350	467
0	94.6	90.4		89	47	5	442	583
5	94.7	90.3		85	45	5	419	554
10	94.7	90.2		81	43	5	396	525
20	94.9	90.0		74	39	4	350	467
30	95.0	89.7		66	35	3	303	407

Method: Equivocal results considered to be positive

Equivalent proportion used for calculation (%)

	PPV (95% CI)	NPV (95% CI)	Eq	TP	FN	FP	TN	N
Observed (19.9)	50.0 (42.8 to 57.2)	90.0 (86.5 to 92.8)	116	97	39	97	350	583
0	94.6	90.4		89	47	5	442	583
5	76.4	90.3		91	45	28	419	583
10	64.5	90.2		93	43	51	396	583
20	49.9	90.0		97	39	97	350	583
30	41.3	89.7		101	35	144	303	583

Method: Equivocal results considered to be negative

Equivalent proportion used for calculation (%)

	PPV (95% CI)	NPV (95% CI)	Eq	TP	FN	FP	TN	N
Observed (19.9)	94.9 (87.4 to 98.6)	87.7 (84.5 to 90.5)	116	74	62	4	443	583
0	94.6	90.4		89	47	5	442	583
5	94.7	89.7		85	51	5	442	583
10	94.7	89.0		81	55	5	442	583
20	94.9	87.7		74	62	4	443	583
30	95.0	86.4		66	70	3	444	583

Method: Intention to diagnose principle

Equivalent proportion used for calculation (%)	PPV (95% CI)	NPV (95% CI)	Eq	TP	FN	FP	TN	N
Observed (19.9)	43.3 (35.7 to 51.1)	85.0 (81.1 to 88.3)	116	74	62	97	350	583
0	94.6	90.4		89	47	5	442	583
5	75.2	89.2		85	51	28	419	583
10	61.4	87.9		81	55	51	396	583
20	43.1	84.9		74	62	97	350	583
30	31.6	81.3		66	70	144	303	583

Abbreviations: PPV, positive predictive value; NPV, negative predictive value; TP, true positive; Eq, equivalents
FN, false negative; FP, false positive; TN, true negative; 95% CI, 95% interval; N, numbers