

Additional file 2

Observed prevalence (%): 23.3

Method: Excluding equivocal results

Prevalence used for calculation	PPV (95% CI)	NPV (95% CI)	TP	FN	FP	TN	N
Observed (23.3)	94.9 (87.4 to 98.6)	90.0 (86.5 to 92.8)	74	39	4	350	467
20	93.8	91.6	63	33	4	365	465
15	91.5	93.9	48	25	4	388	465
10	87.1	96.1	32	17	5	411	465
8	84.1	96.9	25	13	5	420	463
5	76.2	98.1	16	8	5	434	463
3	65.3	98.9	10	5	5	443	463
1	38.0	99.6	3	2	5	452	462
.5	23.4	99.8	2	1	5	454	462

Method: Equivocal results considered to be positive

Prevalence used for calculation	PPV (95% CI)	NPV (95% CI)	TP	FN	FP	TN	N
Observed (23.3)	50.0 (42.8 to 57.2)	90.0 (86.5 to 92.8)	97	39	97	350	583
20	45.1	91.6	83	33	101	365	582
15	36.7	93.9	62	25	108	388	583
10	26.8	96.1	42	17	114	411	584
8	22.2	96.9	33	13	116	420	582
5	14.7	98.1	21	8	120	434	583
3	9.2	98.9	12	5	123	443	583
1	3.2	99.6	4	2	125	452	583
.5	1.6	99.8	2	1	126	454	583

Method: Equivocal results considered to be negative

Prevalence used for calculation	PPV (95% CI)	NPV (95% CI)	TP	FN	FP	TN	N
Observed (23.3)	94.9 (87.4 to 98.6)	87.7 (84.5 to 90.5)	74	62	4	443	583
20	93.8	89.7	63	53	4	462	582
15	91.5	92.5	48	40	4	491	583
10	87.1	95.1	32	27	5	520	584
8	84.1	96.2	25	21	5	532	583
5	76.2	97.6	16	13	5	549	583
3	65.3	98.6	10	8	5	560	583
1	38.0	99.5	3	3	5	572	583
.5	23.4	99.8	2	1	5	575	583

Method: Intention to diagnose principle

Prevalence used for calculation	PPV (95% CI)	NPV (95% CI)	TP	FN	FP	TN	N
Observed (23.3)	43.3 (35.7 to 51.1)	85.0 (81.1 to 88.3)	74	62	97	350	583
20	38.5	87.3	63	53	101	365	582
15	30.7	90.7	48	40	108	388	584
10	21.8	93.9	32	27	114	411	584
8	17.9	95.2	25	21	116	420	582
5	11.7	97.0	16	13	120	434	583
3	7.2	98.2	10	8	123	443	584
1	2.5	99.4	3	3	125	452	583
.5	1.2	99.7	2	1	126	454	583

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