

Supplementary Tables

Supplementary Table 1. Concordance of HPV positivity according to 5 separate HPV tests at manufacturers' cut-off. Shaded cells indicate a positive result.

	HC2	Cervista	COBAS	rHPV	AHPV	Frequency	Percent
						617	60.49
						4	0.39
						11	1.08
						2	0.2
						28	2.75
						23	2.25
						4	0.39
						80	7.84
						1	0.1
						1	0.1
						4	0.39
						2	0.2
						3	0.29
						6	0.59
						11	1.08
						1	0.1
						2	0.2
						1	0.1
						4	0.39
						1	0.1
						24	2.35
						12	1.18
						9	0.88
						6	0.59
						1	0.1
						1	0.1
						5	0.49
						20	1.96
						136	13.33

Supplementary Tables 2 a, b and c

Clinical performance of HPV assays for detection of CIN2+, by cytology referral category

A. Normal and borderline (n= 952 samples)

	Sensitivity % (95% CI)	Specificity % (95% CI)	PPV % (95% CI)	NPV % (95% CI)	Proportional Agreement % (95% CI)
HC2 at c/o 1	100 (lower bound 3)	81 (76,81)	1 (0,3)	100 (lower bound 100)	81 (79, 84)
HC2 at c/o 2	75 (19,99)	85 (82,87)	2 (0,6)	100 (99,100)	85 (82,87)
Cervista	75 (19,99)	77 (74,80)	1 (0,4)	100 (99,100)	77 (74,79)
AHPV	50 (7,93)	87(84,89)	2 (0,5)	100 (99,100)	86 (84,88)
rHPV	100 (lower bound 40)	80 (77,83)	2 (1,5)	100 (lower bound 100)	80 (77,83)
COBAS	100 (lower bound 40)	77 (74,80)	2 (0,5)	100 (99,100)	77 (75,80)

B. Normal/borderline and mild (n=987)

	Sensitivity % (95% CI)	Specificity % (95% CI)	PPV % (95% CI)	NPV % (95% CI)	Proportional Agreement % (95% CI)
HC2 at c/o 1	100 (lower bound 59)	80 (77,82)	3 (1,7)	100 (lower bound 100)	80 (77, 82)
HC2 at c/o 2	86 (42,100)	83 (80,85)	3 (1,7)	100 (99,100)	83 (80,85)
Cervista	86 (42,100)	75 (72,78)	2 (1,5)	100 (99,100)	75 (72,78)
AHPV	71 (29,96)	85(82,87)	3 (1,7)	100 (99,100)	85(82,87)
rHPV	100 (lower bound 59)	78 (76,81)	3 (1,7)	100 (lower bound 100)	79 (76,81)
COBAS	100 (lower bound 59)	76 (73,78)	3 (1,6)	100 (lower bound 100)	77 (75,80)

C. Moderate/severe (n= 33)

	Sensitivity % (95% CI)	Specificity % (95% CI)	PPV % (95% CI)	NPV % (95% CI)	Proportional Agreement % (95% CI)
HC2 at c/o 1	100 (lower bound 79)	29 (10,56)	57 (37,76)	100 (lower bound 48)	64 (45,80)

HC2 at c/o 2	100 (lower bound 79)	41 (18,67)	62 (41,80)	100 (lower bound 59)	70 (51,84)
Cervista	100 (lower bound 79)	41 (18,67)	62 (41,80)	100 (lower bound 59)	70 (51,84)
AHPV	100 (lower bound 79)	29 (10,56)	57 (37,76)	100 (lower bound 48)	64 (45,80)
rtHPV	100 (lower bound 79)	29 (10,56)	57 (37,76)	100 (lower bound 48)	64 (45,80)
COBAS	100 (lower bound 79)	29 (10,56)	57 (37,76)	100 (lower bound 48)	64 (45,80)