

Human Papillomavirus (HPV)

Test	Specimen	Preval (%)	Sens (%)	Spec (%)	PPV (%)	NPV (%)	Refs
PCR	Total (n = 596)	37.8	100	100	100	100	(1, 2)
	Normal Cytology	25.1					
	ASCUS	55.9					
	Low Grade SIL	68.7					
	High Grade SIL	81.6					
	Squamous cervical carcinomas	100					
HC-II	Total (n = 596)	32.9	78.7	89.2	78.12	89.52	(1, 2)
	Normal Cytology	19.5 (14.3 HR)	70	80.8	46.90	91.75	
	ASCUS	52.9 (41.1)	87.3	97.5	97.51	87.24	
	Low Grade SIL	64.5 (59.4)			98.45	80.86	
	High Grade SIL	81.6			99.36	63.39	
	Squamous cervical carcinoma	100			100	-	

Trichomonas vaginalis

Test	N	Preval (%)	Sens (%)	Spec (%)	PPV (%)	NPV (%)	Refs
PCR	372	8.3	100	99.7	81.9	100	(5)
Culture		6.5	83.3	98.0	74.3	98.8	
PCR	9,982	8.3	95	98	81.1	99.5	(6)
ELISA		6.5	82	73	17.5	98.3	
PCR	590	15.8	100	ND	ND	ND	(7)
Pap smear		8.6	59.4	ND	ND	ND	

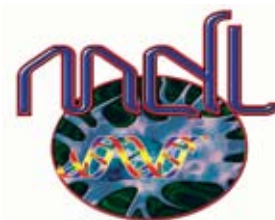
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Comparison of Multiple Assay Systems for the Detection of Gynecological Pathogens



Chlamydia trachomatis

Test	N	Preval (%)	Sens (%)	Spec (%)	PPV (%)	NPV (%)	Refs
PCR	442	11.3	100	99.7	98	100	(8)
Amplicor	2254	7.5*	96.9	98.6	84.9*	99.7*	(9)
Aptima	1389	15	94.2	97.6	87.4	99.0	(17)
BD ProbeTec	1419	9.9	98.7	97.8	84.8	99.1	(18)
GEN-PROBE (Pace 2)	940	3.9	75.5	97	50.5	99.0	(10)
EIA	217	22.1	80	98.2	92.7	94.5	(11)
	993	1.1	61.1	98.2	27.4	99.6	(12)

Neisseria gonorrhoeae

Test	N	Preval (%)	Sens (%)	Spec (%)	PPV (%)	NPV (%)	Refs
PCR	100	7.8	100	99.4	93.4	100	(13)
Amplicor	2238	5.2*	96.3	98.7	80.2*	99.8*	(14)
Aptima	1479	8.6	99.2	98.7	88.1	99.9	(17)
BD ProbeTec	1411	8.1	97.2	99.4	91.6	99.6	(18)
GEN-PROBE (Pace 2)	1,750	8.7	97.1	99.1	90.6	99.8	(15)
Culture	866	4.5	50	97.1	40	98	(16)

Herpes Simplex Virus (HSV)

Test	N ^a	Preval (%)	Sens (%)	Spec (%)	PPV (%)	NPV (%)	Refs
PCR	194	59	100	100	100	100	(3)
	104	53	100	100	100	100	(4)
Culture	194	48	81	100	100	85.1	(3)
	104	41	78	98	96.4	86.5	(4)
EIA	194	39	65	98.7	96.9	81.5	(3)
	104	27	56	93	74.8	85.1	(4)

a=Unless otherwise noted, all specimens are swabs

* calculated data