

STD Test Accuracy

STD	Type of Sample	Types of STD test	When to test (time span)	Sensitivity	Specificity
Chlamydia	Blood	Enzyme-linked immunosorbent assay (ELISA); Antibodies, IgM	1-5 days	85.70%	98.10%
	Blood	Enzyme immunoassay (EIA); Antibodies, IgG	6–12 weeks	97.80%	99.70%
	Urine	Cell Culture and Subsequent Detection of Chlamydia by Fluorescent Antibody Test Method	after 2 weeks	65.00%	99.60%
	Swab	Swab cultures	after 5 days	77%	99.00%
	Swab	Direct Fluorescent Antibody (DFA)	after 2 weeks	65%	99.60%
Gonorrhea	Blood	Enzyme-linked immunosorbent assay (ELISA); Antibodies, IgM	After 6 days	99%	98%
	Urine	Nucleic Acid Amplification (NAA)	After 2 weeks	97.60%	100%
	Swab/Blood	Gonorrhea swab cultures	after 3 days	95%	98%
	Swab	Gram Stain	after 96 hours	90%	98%
Herpes	Swab	Herpes viral culture	4 to 6 weeks	50%	100%
	Swab	Polymerase chain reaction (PCR) test	After 6 days	92.30%	97.50%
	Blood	Antibody tests	3 to 4 weeks	93%	95%
	Swab	Herpes virus antigen detection test	after 10 to 12 days	90%	98%
Syphilis	Blood	Venereal disease research laboratory (VDRL) test	3 to 5 weeks	50%	99.80%
	Blood	Rapid plasma reagin (RPR) test	4 weeks and later	52.50%	94.30%
	Blood	Rapid immunochromatographic test	after 3 to 4 weeks	84.10%	95.30%
	Blood	Enzyme immunoassay (EIA) test	after 2–3 weeks	82%	99%
	Blood/Spinal fluid	Fluorescent treponemal antibody absorption (FTA-ABS) test.	after 13 weeks	73%	100%
	Blood	Treponema pallidum particle agglutination assay (TPPA).	after 21 days	85%	98%
	Swab	Darkfield microscopy	after 9–90 days	79%	98%
	Blood	Microhemagglutination assay (MHA-TP).	3 weeks	68.50%	82.30%
Hepatitis B	Urine	HBsAg (hepatitis B surface antigen)	6 weeks	90%	99.50%
	blood	Anti-HBs or HBsAb (hepatitis B surface antibody)	7 weeks	88.80%	100%
	blood	Anti-HBc or HBcAb (hepatitis B core antibody)	7 weeks	90%	78.90%
Hepatitis C	Urine	HCV Antibody Testing	8 to 9 weeks	99%	99%
	blood	HCV Viral Load Testing	14 to 180 days	98%	99%
	Home Testing kit	HCV Genotypic Test	7 to 8 weeks	99.50%	98.80%
HPV	Blood:DNA	Direct: Genome detection	after 3-5days	96%	85%
	Blood:DNA	Amplification	10 days	96%	33%
	Blood:DNA	Amplification and genotyping of HPV-16 and HPV-18	After 5 days	95.80%	88.90%
	Blood:RNA	Amplification of E6/E7 proteins	18 days	71.80%	58.30%
	Blood:RNA	Monoclonal antibodies	after 10 days	87%	100%
	Swab	PAP Smear	4 weeks to 8 months	92%	23%
Trichomonas	Urine / vaginal fluid	Urinalysis	5 to 28 days	82%	97%
	Rapid	Antigen (RADT)	13 days	68.20%	89.70%
	Blood	nucleic acid amplification	7 to 21 days.	96.00%	95.30%
HIV	RNA/DNA	PCR/Viral load	7 days	85.70%	98.10%
	Antigen	p24 only test (Ag)	2-8 weeks	58%	99.90%
	Antigen & antibody	4th generation Antigen and Antibody (Ag/Ab) tests	4 weeks	95%	99.78%
	Antibody	1st/2nd/3rd generation antibody only tests (ELISA, ELI, MEA/ELFA/ECLIA) includes OraQuick	18 to 45 days	88.20%	99.70%
	Antibody	Rapid tests: finger prick and oral swab test are antibody only; includes OraQuick	2 to 4 weeks	75%	96%



STD Testing
Near Me