

# HIV Diagnostic Tests

May 2008

CA STD/HIV Prevention Training Center

[www.stdhivtraining.org](http://www.stdhivtraining.org)

Name of Test	Specimen	Sensitivity	Specificity	Manufacturer Site
<b>Enzyme Immunoassays</b>				
HIV AB HIV-1/HIV-2 (rDNA) EIA	Serum	100.0	99.9	<a href="http://www.abbottdiagnostics.com">www.abbottdiagnostics.com</a>
	Plasma	100.0	99.9	
Genetic Systems HIV-1/HIV-2 Plus O EIA	Serum	100.0	99.9	<a href="http://www.biorad.com">www.biorad.com</a>
	Plasma	100.0	99.9	
Genetic Systems rLAV EIA [HIV-1]	Serum	100.0	100.0	<a href="http://www.biorad.com">www.biorad.com</a>
	Plasma	100.0	100.0	
	Dried Blood Spot	100.0	100.0	
Maxim HIV-1 Urine EIA	Urine Screen	98.7	99.1	<a href="http://www.mbidiagnostic.com">www.mbidiagnostic.com</a>
<b>Rapid Tests</b>				
OraQuick ADVANCE Rapid HIV-1/2 Antibody Test	Oral fluid	99.3	99.8	<a href="http://www.orasure.com">www.orasure.com</a>
	Whole blood*	99.6	100.0	
	Plasma	99.6	99.9	
Uni-Gold Recombigen HIV	Whole blood*	100.0	99.7	<a href="http://www.unigoldhiv.com">www.unigoldhiv.com</a>
	Serum & Plasma	100.0	99.8	
Reveal G-3 Rapid HIV-1 Antibody Test	Serum	99.8	99.1	<a href="http://www.medmira.com">www.medmira.com</a>
	Plasma	99.8	98.6	
MultiSpot HIV-1/HIV-2 Rapid Test	Serum	100.0	99.9	<a href="http://www.biorad.com">www.biorad.com</a>
	Plasma	100.0	99.9	
Clearview HIV 1/2 STAT-PAK	Whole blood*	99.7	99.9	<a href="http://www.invernessmedicalpd.com">www.invernessmedicalpd.com</a>
	Serum & Plasma	99.7	99.9	
Clearview COMPLETE HIV 1/2	Whole blood*	99.7	99.9	<a href="http://www.invernessmedicalpd.com">www.invernessmedicalpd.com</a>
	Serum & Plasma	99.7	99.9	
SURE CHECK HIV-1 Assay	Whole blood/ Serum/Plasma	99.2	100.0	<a href="http://www.chembio.com">www.chembio.com</a>
HIV 1/2 STAT-PAK DIPSTICK Assay	Serum/Plasma/ Whole Blood	99.0	100.0	<a href="http://www.chembio.com">www.chembio.com</a>
<b>Western Blot (Diagnostic Supplemental Testing)</b>				
Cambridge Biotech HIV-1 Western Blot Kit	Urine	99.1 to 100	94.5 to 100	<a href="http://www.mbidiagnostic.com">www.mbidiagnostic.com</a>
	Serum	**	**	
Genetic Systems HIV-1 Western Blot	Serum/Plasma/ Dried Blood Spot	100.0	87.2	<a href="http://www.biorad.com">www.biorad.com</a>
OraSure HIV-1 Western Blot Kit	Oral fluid	97.5 to 99.5	***	<a href="http://www.orasure.com">www.orasure.com</a>
<b>Nucleic Acid Tests</b>				
COBAS Ampliscreen HIV-1 Test	Plasma	99.7	98.9	<a href="http://www.roche.com">www.roche.com</a>
	Plasma	99.9	99.9	<a href="http://www.chiron.com">www.chiron.com</a>
UltraQual HIV-1 RT-PCR Assay	Plasma	95.0	100.0	<a href="http://www.ngi.com">www.ngi.com</a>
<b>Immunofluorescent antibody tests</b>				
Fluorognost HIV-1 IFA	Serum/plasma	99.0	98.0	<a href="http://www.sanochemia.at/en/">www.sanochemia.at/en/</a>
	Dried blood spot	96.0	100.0	

\* Whole blood includes fingerstick or venipuncture

\*\* As the first Western Blot – FDA-cleared in 1987 – this test is considered the “gold standard” for HIV-1 blood confirmatory testing. There have not been historical performance evaluations for sensitivity and specificity (as cited by Calpyte Biomedical Corp).

\*\*\* 99.9% in combination with EIA.

*Inclusion of tests in this table does not imply endorsement. Tests for which information was unavailable are not included in this table. The contents are current as of 04/2008 and are subject to change. Always review package inserts prior to using any diagnostic test for the most current information.*