

RAPID HIV TESTING TECHNOLOGIES (compiled by staff of the Oregon HIV Prevention Program)

Comparison of tests currently available as of May 2008:

- OraQuick Advance HIV 1/2 Antibody Test (OraSure Technologies, Inc),
- Uni-Gold Recombigen HIV (Trinity Biotech), and
- Clearview HIV 1/2 Stat-Pak (Inverness Medical Innovations)
- Clearview Complete HIV 1/2 (Inverness Medical Innovations)

		OraQuick Advance HIV 1/2 Antibody Test	Uni-Gold Recombigen HIV	Clearview HIV 1/2 Stat-Pak	Clearview Complete HIV 1/2
SPECIMEN COLLECTION	Venipuncture Whole Blood	YES	YES	YES	YES
	Fingerstick Whole Blood	YES	YES	YES	YES
	Plasma	YES	YES	YES	YES
	Serum	NO	YES	YES	YES
	Oral Fluid	YES	NO	NO	NO
COMPLEXITY	Waived	Venipuncture and Fingerstick Whole Blood, Oral Fluid	Venipuncture and Fingerstick Whole Blood	Venipuncture and Fingerstick Whole Blood	Venipuncture and Fingerstick Whole Blood
	Moderate	Plasma	Plasma, Serum	Plasma, Serum	Plasma, Serum
		OraQuick Advance HIV 1/2 Antibody Test	Uni-Gold Recombigen HIV	Clearview HIV 1/2 Stat-Pak	Clearview Complete HIV 1/2

SHELF LIFE	Control Kits	1 yr. unopened, 8 weeks opened	1 yr. unopened 30 days opened	18-24 months opened or unopened	18-24 months opened or unopened
	Test Kits	6 Months	12 Months	24 Months	24 Months
TEMPERATURE LIMITATIONS	Control Kit Storage	35°- 46° F	36°- 46° F	36° - 46° F	36° - 46° F
	Test Kit Storage	35°- 80° F	36°- 81° F	46°- 86° F	46°- 86° F
	Testing Environment	59°- 99° F	59°- 81° F	64°- 86° F	64°- 86° F
TIME	Minimum Time for Development of Results	20 Minutes	10 Minutes	15 Minutes	15 Minutes
	Read Window	20 Minutes	2 Minutes	5 Minutes	4 Minutes
SENSITIVITY (how good a test is at correctly identifying people who have antibodies to HIV)	Venipuncture Whole Blood	99.6%	100%	99.7%	99.7%
	Fingerstick Whole Blood	99.6%	100%	99.7%	99.7%
	Plasma	99.6%	100%	99.7%	99.7%
	Serum	N/A	100%	99.7%	99.7%
	Oral Fluid	99.3%	N/A	N/A	N/A
SPECIFICITY (how good a test is at correctly identifying people who are HIV -)	Venipuncture Whole Blood	100%	99.7%	99.9%	99.9%
	Fingerstick Whole Blood	100%	99.7%	99.9%	99.9%
	Plasma	99.9%	99.7%	99.9%	99.9%
	Serum	N/A	99.7%	99.9%	99.9%
	Oral Fluid	99.8%	N/A	N/A	N/A
		OraQuick Advance HIV 1/2 Antibody Test	Uni-Gold Recombigen HIV	Clearview HIV 1/2 Stat-Pak*	Clearview Complete HIV 1/2

SEROCONVERSION DETECTION	Oral Fluid	~0.86 days earlier than WB* (almost 1day)	N/A	N/A	N/A
	Fingerstick Whole Blood		~0.43 days earlier than WB* (almost half a day)	Similar to other currently licensed assays	Similar to other currently licensed assays
COST	Control Kits	~\$25	\$22.50 (No charge for shipping when ordered with test kits)	\$35 (No charge for shipping when ordered with test kits)	\$35 (No charge for shipping when ordered with test kits)
		~\$30			
	Test Kits	\$12.50	\$8.25 (No shipping charges)	\$8.25 (No shipping charges)	\$9.25 (No shipping charges)