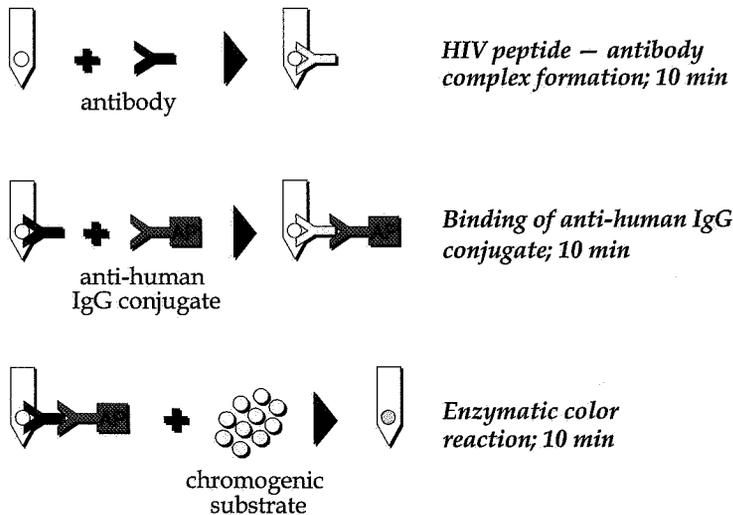


The *ImmunoComb[®] II HIV 1&2 BiSpot* is a product developed and manufactured by Orgenics Ltd., an international biotechnological company that specializes in the development and manufacturing of manual, automated and rapid test kits for the diagnosis of infectious diseases. Orgenics products are marketed in more than 92 countries.

Advantages of the Kit

- ✓ *Simple, Quick, Most Accurate EIA* - fast and easy procedure, results are visible within minutes, plus the sensitivity and specificity of the most accurate ELISA
- ✓ *Flexible Format* - enables individual or multiple sample testing
- ✓ *Ease-of-Use* - all reagents pre-measured and ready for immediate use
- ✓ *Differential Detection* - simultaneously differentiates between HIV-1 and HIV-2 antibodies in human serum or plasma
- ✓ *No Instrumentation Needed* - eliminating the need for costly equipment
- ✓ *Use of SYNTHETIC PEPTIDES as antigens lead to the following advantages:*
 - Early detection of HIV infection with shortened "window" period
 - Increased clinical sensitivity

The Test at a Glance

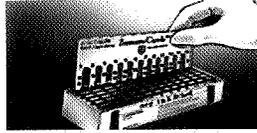
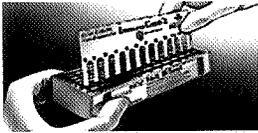
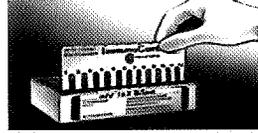
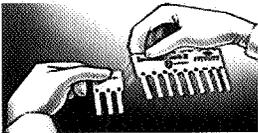


Antibodies of the IgG isotype are bound to a mixture of synthetic antigens present on the solid phase (*ImmunoComb* teeth). The conjugate (anti human IgG) then detects the presence of anti-HIV Antibodies.

Principle of the Test

The *ImmunoComb[®] II HIV 1&2 BiSpot* test is an enzyme immunoassay (EIA) and as all other EIA consists on two components:

1. The Solid phase is a plastic comb with 12 teeth sensitized at different spots with reactive materials and an internal control.
 2. The conjugate and other reagents are ready for use inside the ImmunoComb Developing Plate sealed with aluminum foil.
- The test is performed in a quick and easy procedure. Simply deposit the specimens in the wells of the first row of the ImmunoComb Developing Plate and advance the comb from row to row - incubating at each step.
 - Results are visible within minutes, appearing as gray-blue spots on the surface of the comb's teeth.



Interpretation of the Results



a) *No anti-HIV antibodies*



b) *Anti-HIV-2 present*



c) *Anti-HIV-1 present*



d) *High anti-HIV-1 concentration*

- a) The appearance of the upper spot (Internal Control) only indicates that the specimen is non-reactive for antibodies to HIV-1 or HIV-2.
- b) A circular, colored middle spot indicates the presence of antibodies to HIV-2.
- c) A circular, colored lower spot indicates the presence of antibodies to HIV-1.
- d) Occasionally, high concentrations of either anti-HIV-1 or anti-HIV-2 antibodies have been found to produce a faint secondary spot, in addition to the more intense major spot obtained with the homologous antigen. In cases of HIV-1/HIV-2 coinfection, two spots of equal intensities have been observed.