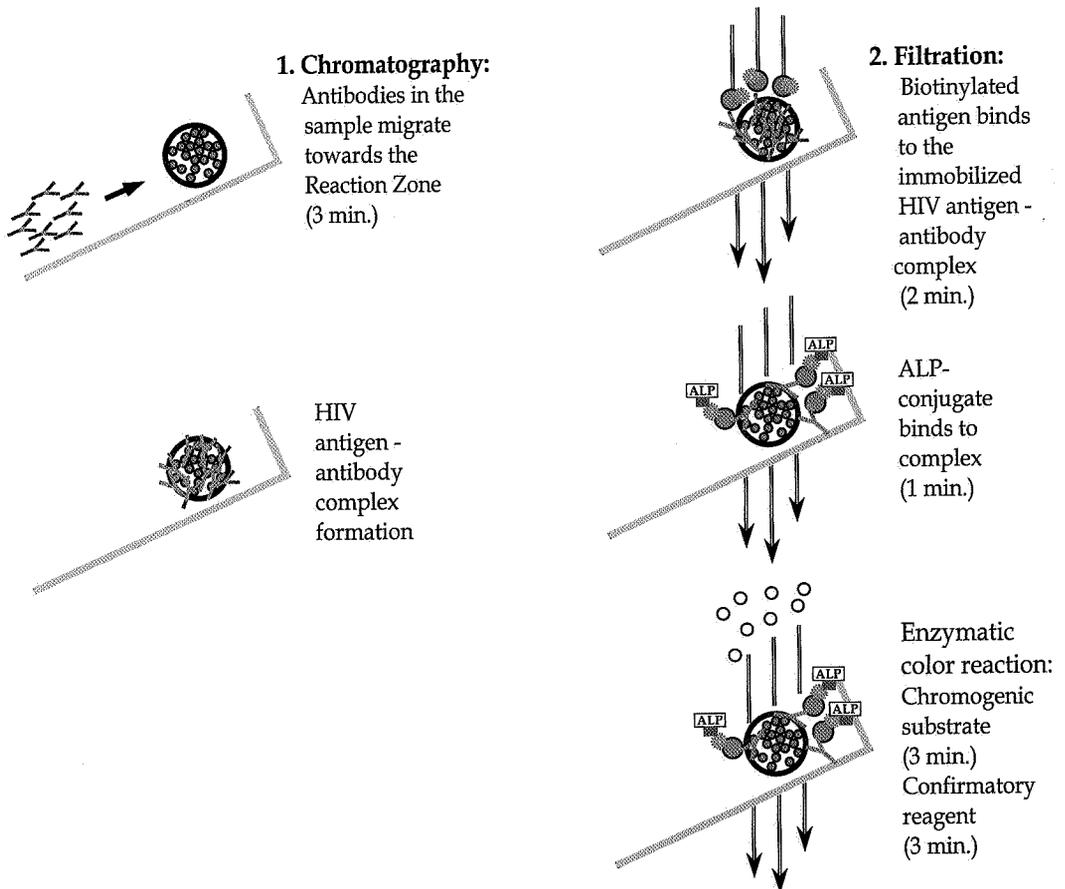


The **HIV 1&2 DoubleCheck™ II** is a product developed and manufactured by Organics Ltd., an international biotechnological company that specializes in the development and manufacturing of manual, automated and rapid test kits for the diagnosis of infectious diseases. Organics products are marketed in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

Advantages of the Kit

- ✓ **Simple, Quick, Most Accurate EIA** - fast and easy procedure, full visual results are obtained in only 12 minutes, plus the sensitivity and specificity of the most accurate ELISA
- ✓ **Ease-of-Use** - all reagents ready for use in dropper bottles. Disposable microtubes and pipettes provided.
- ✓ **No Instrumentation Needed** - eliminating the need for costly equipment.
- ✓ **Use of RECOMBINANT PROTEINS and SYNTHETIC PEPTIDES as antigens, in a Dual Recognition Assay, leads to the following advantages:**
 - Increased sensitivity, allowing early detection of HIV infection with shortened "window" period
 - Very high specificity of the assay

The Test at a Glance



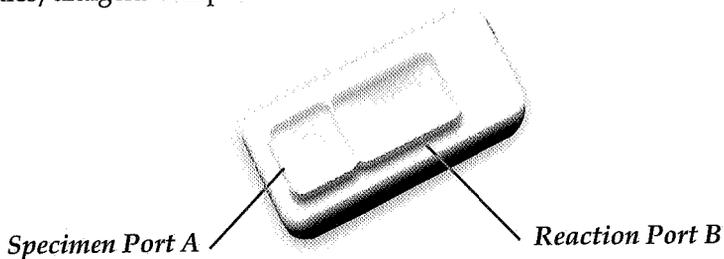
Principle of the Test

The **HIV 1&2 DoubleCheck™ II** test is a rapid enzyme immunoassay (EIA) based on an original invention in which a combination of immunochromatography and immunoconcentration is used to obtain highly accurate results.

It consists of:

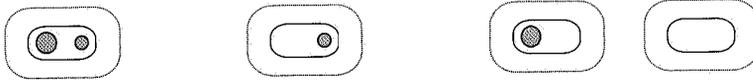
1. The reaction device, containing a membrane spotted with HIV antigens and an internal control. It enables sequentially the chromatographic migration and the filtration in one device.
2. The test reagents: sample diluent, labeled antigens, Alkaline Phosphatase (ALP) conjugate, chromogenic substrate, confirmatory reagent. The reagents are supplied in dropper-bottles, ready to use.

The test is performed in a quick and easy procedure. The diluted specimen is deposited in port A of the device. It migrates along the solid-phase membrane by capillary action to reaction zone in port B and binds to the immobilized antigen. Reagents filtrate and concentrate through the reactive spot, and subsequently bind specimen antibodies/antigens complex.



Results are visible within minutes, appearing as purple spots in port B of the device.

Interpretation of the Results



A) *Positive*

A) *Negative*

C) *Invalid*

- **Positive Result** (Fig. A): The presence of *two* spots indicates the presence of antibodies to HIV-1 and/or HIV-2.
- **Negative Result** (Fig. B): The *sole presence* of the **Internal Control** spot indicates the absence of antibodies to HIV.
- The *absence* of the **Internal Control** spot (Fig. C) should be considered an invalid result. The test should be repeated.

Any faintly colored spot, including incomplete circles, must be suspected to represent a reaction and must be investigated further.