











HIV Ag-Ab ELISA Kit

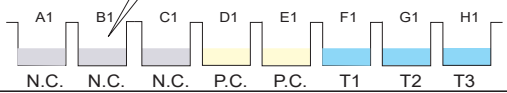
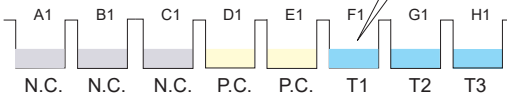
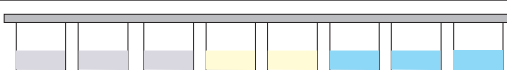
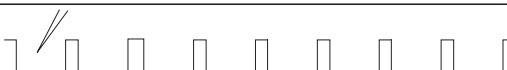
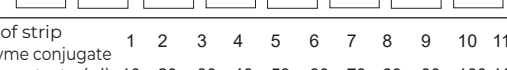
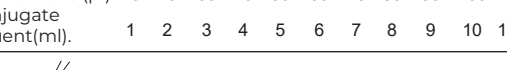
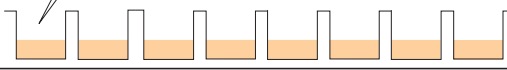
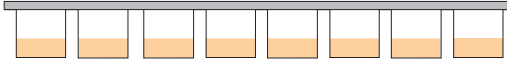

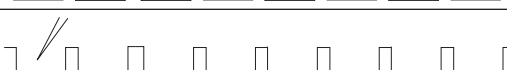
-  Technology: Sandwich ELISA assay for the detection of Human Immunodeficiency Virus (HIV) infection
-  Analytical Sensitivity : p24 Ag - 65 pg/ml
-  Advance testing tool : 4th generation HIV p24 Ag along with IgM, IgG, IgA Ab detection kit
-  Accurate Diagnosis : Reduced window period compared to 3rd, 2nd and 1st generation EIA methods
-  Substrate: Ready to use
-  Assay time: 90 mins (30 Mins+ 30 Mins+ 30 Mins)
-  Breakaway wells: Useful for small workload
-  Open reagent: Adaptable to all ELISA readers and washers
-  Controls: Ready to use positive and negative controls
-  User-friendly: Color coded reagent bottles



Methodology

The HIV Ag-Ab ELISA Kit is an enzyme immunoassay based on "Sandwich ELISA". Specific proteins gp41, gp36, gp120 & p24 representing immunodominant epitopes of HIV-1 and HIV-2 respectively are coated into wells of microwell plates. When incubated with specimens and controls, antibodies to HIV-1 and HIV-2 if present in the specimen, bind to the specific antigens absorbed onto the surface of the wells. Absence of HIV-1 or HIV-2 antibodies, the enzyme conjugate will not bind and the solution in the wells will be either colorless or only a faint background colors develops.

TEST PROCEDURE

Add 100 µL N.C. To 1A-1C P.C, to 1D-1E																																								
Add 50 µL of sample diluent and 50 µL of each test sample to respective wells from 1F																																								
Cover the plate and incubate for 30 mins at 37°C																																								
Wash (5 cycles)																																								
Prepare working conjugate solution (101X)	<table border="1"> <tr> <td>No. of strip</td> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td> </tr> <tr> <td>Enzyme conjugate Concentrate (µl)</td> <td>10</td><td>20</td><td>30</td><td>40</td><td>50</td><td>60</td><td>70</td><td>80</td><td>90</td><td>100</td><td>110</td><td>120</td> </tr> <tr> <td>Conjugate Diluent(ml)</td> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td> </tr> </table>	No. of strip	1	2	3	4	5	6	7	8	9	10	11	12	Enzyme conjugate Concentrate (µl)	10	20	30	40	50	60	70	80	90	100	110	120	Conjugate Diluent(ml)	1	2	3	4	5	6	7	8	9	10	11	12
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Add 100 µL working conjugate in each well.																																								
Cover the plate and incubate for 30 mins at 37°C																																								
Wash (5 cycles)																																								
Add 100 µL working substrate (Ready to use)																																								
Incubate in dark for 30 mins at 37°C																																								
Add 50 µL Stop Solution and read result at 450 nm/630 nm**																																								

PRE-ASSAY PREPARATION

1. Conjugate Solution
1:101 dilution
For 1 strip add 10µl 101x concentrate to 1000µL conjugate diluent

2. Washing Solution
1:9 dilution (eg. 10 ml 10x wash solution to 90 ml distilled water)

VALIDATION CRITERIA

NC \bar{x} less than 0.2
PC \bar{x} more than 0.8

DATA INTERPRETATION

Cutoff value is NC \bar{x} + 0.200
Samples with absorbance greater than cut off value are considered positive

PERFORMANCE CHARACTERISTICS

Sensitivity: 99.5%
Specificity: 99.88%

ORDERING INFORMATION

Product Code	Name of Product	Pack size	Storage	Shelf Life
30201154	HIV Ag-Ab ELISA kit	96 Tests	2-8° C	15 months



IVD

*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.

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