











HCV ELISA Kit


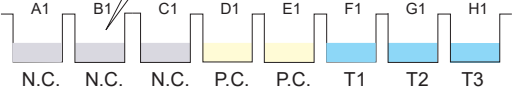
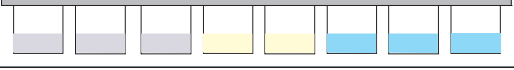

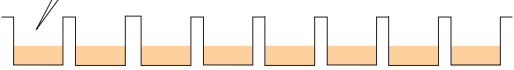
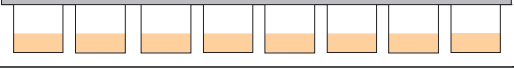

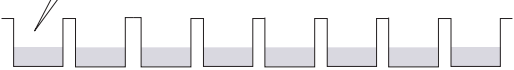
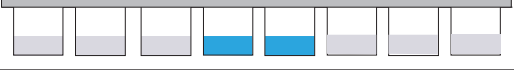

-  Technology: Indirect ELISA assay for the detection of Hepatitis C Virus (HCV) infection
-  Cocktail of antigens coated well :- Both HCV structural and non-structural antigens i.e. CORE, NS3, NS4 and NS5
-  Substrate: Ready to use
-  Assay time: 90 mins (30 mins + 30 mins + 30 mins)
-  Breakaway wells: 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 3rd generation HCV ELISA is a highly sensitive immunoassay test kit which detects antibodies against HCV in human serum and plasma. The immuno diagnosis of HCV infection is based on detection of host generated antibodies (anti-HCVs) to viral proteins. The assay utilizes a combination of antigen with the sequence of both HCV structural and non-structural antigens i.e. CORE, NS3, NS4 and NS5. The assay is more sensitive and specific when compared to the 2nd and 1st Generation ELISA test.

TEST PROCEDURE

Dilute sample (1:10) sample 10µL + sample diluent 100µL	
Add 100 µL N.C. to 1A-1C P.C to 1D-1E and Test samples from 1F	
Cover the plate and incubate for 30 mins at 37°C	
Wash (5 cycles)	
Prepare working conjugate solution (101X)	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
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**	

VALIDATION CRITERIA

NC \bar{x} less than 0.300
PC \bar{x} more than 0.8

DATA INTERPRETATION

Cut-Off Formula: NC \bar{x} + 0.300
Samples with absorbance
greater than cut-off value are
considered positive

PERFORMANCE CHARACTERISTICS

Sensitivity: $\geq 99.33\%$
Specificity: $\geq 99.88\%$

ORDERING INFORMATION

Product Code	Name of Product	Pack size	Storage	Shelf Life
30201152	HCV 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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