Immunoenzymetic Test-Systems

Radiopreparat"enterprise of the Institute of Nuclear Physics of Uzbekistan

"Radiopreparat" enterprise had been organized in 1976 attached to the Institute of Nuclear Physics of the Academy of Sciences of Uzbekistan Republic on the base of the nuclear reactor. The enterprise is manufacturing a labeled compounds and articles with radioactive isotopes for internal consumption and for export to CIS, Europe and to the USA. The list of products for science and medicine includes more than 60 items. Most production technologies that are used at the enterprise are unique and patented. The quality of the products corresponds to the world standards what is confirmed by the International Gold Star award in 1999 in Geneva.

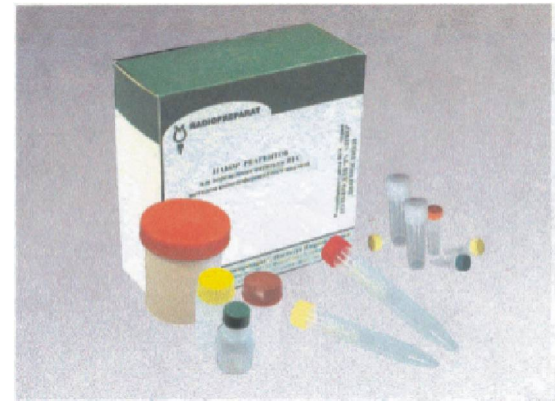
HBsAg ELISA 96 TESTS KIT FOR THE DETECTION OF SURFACE ANTIGEN OF THE HEPATITIS B IN HUMAN SERUM OR PLASMA BY ENZYME IMMUNOASSAY TECHNIQUE

- stripped plate with immobilized monoclonal antibodies to HBsAg, 96 wells;
- HBsAg positive control serum, (C+);
- HBsAg negative control serum, (C-);
- 10-fold concentrate of conjugate, <<CC>>, monoclonal antibodies to HBsAg conjugated with peroxidaze of horse redish;
- solution for conjugate dilution, SCD;
- 8-fold concentrate of chromogen: <<TMB-1>>, tetramethylbenzidine;
- substrate-saline buffer, <<TMB-2>);
- 20-fold concentrate of the wash buffer, <<CWB>>;
- stop reagent, <<SR>>, acid-saline buffer;
- 14 ml tube for conjugate dilution, <<Conjugate>>;
- 15 ml tube for preparing of chromogen solution, <<TMB>>;
- adhisive tape for plate sealing;
- filter paper;
- the container for light sensitive reagents;
- the instructions.

Sa

Sensitivity: 0.5 ng/ml;
Specificity: Not less than 95% being compared with the reference test - system <<Ortho Diagnostics>> company (USA);
Duration of analysis: 2 hours, at 42°C;
Detection: at 450 nm;
Expiry: 6 months at 2-8°C.

HBsAg - ELISA for Hepatitis B surface antigen detection is the test - system of the 3-rd generation on the base of monoclonal antibodies. Principle of the method is based on the simultaneous interaction of HBsAg from the tested sample with antibodies immobilized to the well of polystyrene plate and with the immuno - enzymetic cojugate specific to the human antibodies.
HBsAg (Hepatitis B Surface Antigen) is a structural component of hepatitis B virus external protein envelope. This makes it as the best indicator of infection caused by hepatitis B virus though the antigen itself is not infectious. HBsAg-ELISA kit is designated for qualitative or semiquantitative determination of HBsAg in human blood serum or plasma. It may be used to facilitate differencial diagnosis of viral hepatitis, to evaluate the prognosis of infected patients, to reveal HBsAg cronic carriers, to perform blood control.



RECOMBINANT-ANTI-HCV-STRIP 96 TESTS KIT FOR THE DETECTION OF ANTIBODIES TO THE HEPATITIS C VIRUS IN HUMAN SERUM OR PLASMA BY ENZYME IMMUNOASSAY TECHNIQUE

- stripped plate with immobilized recombinant antigens of the Hepatitis C Virus, 96 wells;
- anti-HCV positive control serum, (C+);
- anti-HCV negative control serum, (C-);
- 30-fold concentrate of conjugate, <<CC>> monoclonal antibodies against the human Immunoglobulines conjugated with peroxidaze of horse redish;
- solution for conjugate dilution, <<SC>>;
- 8-fold concentrate of chromogen, <<TMB-1>>, tetramethylbenzidine;
- substrate-saline buffer , <<TMB-2>>;
- 20-fold concentrate of the wash buffer, <<CWB>>;
- Stop reagent, <<SR>>, acid-saline buffer;
- 14 ml tube for conjugate dilution, "Conjugate";
- 15 ml tube for preparing of chromogen solution, <<TMB>>;
- adhisive tape for plate sealing;
- filter paper;
- the container for light sensitive reagents;
- the instructions.

The immuno-enzymetic test-system of the 3-rd generation is intended for specific diagnostic of the viral hepatitis C. Principle of the method is based on the two stage interaction of the test-system components:
1) antibodies to the hepatitis C virus from the tested sample with the hepatitis C virus structural and unstructural recombinant antigens immobilized in the wells of polysterene plate; 2) and interaction of the immuno - enzymetic conjugate specific to the human antibodies with the antibodies from the sample.
The test-system <<Recombinant - anti - HCV - strip>> is designated for qualitative determination of antibodies to hepatitis C virus in human blood serum or plasma. It may be used to facilitate differential diagnosis of viral hepatitis C, to perform blood control.

Sample {serum or plasma}: 0.02 ml;
Sensitivity: not less than 80% being compared with the reference test - system <<Ortho Diagnostics>> company (USA);
Specificity: not less than 90% being compared with the reference test - system <<Ortho Diagnostics>> company (USA);
Duration of analysis: 2 hours, 42°C;
Detection: at 450 nm;
Expiry: 6 months at 2-8°C.

RECOMBINANT ANTI - HIV - STRIP 96 TESTS KIT FOR THE DETECTION OF ANTIBODIES TO THE HUMAN IMMUNODIFICIENCY VIRUS 1 AND 2 TYPE IN HUMAN SERUM OR PLASMA BY ENZYME IMMUNOASSAY TECHNIQUE

- stripped plate with immobilized recombinant antigens of the Human Immunodeficiency Virus, 96 wells;
- anti - HIV positive control serum, (C+)
- anti - HIV negative control serum, (C-)
- 30 - fold concentrate of conjugate, <<CC>>; monoclonal antibodies against the human immunoglobulines conjugated with peroxidaze of horse redish;
- solution for conjugate dilution, <<SC>>;
- 8 - fold concentrate of chromogen, <<TMB-l>>, tetramethylbenzidine;
- substrate - saline buffer, <<TMB-2>>;
- 20 - fold concentrate of the wash buffer, <<CWB>>;
- Stop reagent, <<SR>>, acid - saline buffer;
- 14 ml tube for conjugate dilution, "Conjugate";
- 15 ml tube for preparing of chromogen solution, <<TMB>>;
- adhisive tape for plate sealing;
- filter paper;
- the container for light sensitive reagents;
- the instructions.

The immuno - enzymetic test - system of the 3-rd generation is intended for specific determination of antibodies to the Human Immunodeficiency Virus. Principle of the method is based on the two stage interaction of the test - system components:
1)antibodies to the Human Immunodeficiency Virus from the tested sample with HIV-1,2 structural and unstructural recombinant antigens immobilized in the wells of polysterene plate; 2) and interaction of the immuno - enzymetic conjugate specific to the human antibodies with the antibodies from the sample.
The test-system <<Recombinant - anti - HCV - strip>> is designated for qualitative determination of antibodies to hepatitis C virus in human blood serum or plasma. It may be used to facilitate differential diagnosis of viral hepatitis C, to perform blood control.

Sample {serum or plasma): 0.04 ml;
Sensitivity: not less than 85% being compared with the reference test - system <<Ortho Diagnostics>> company (USA);
Specificity: not less than 90% being compared with the reference test - system <<Ortho Diagnostics>> company (USA);
Duration of analysis: 2 hours, 42°C;
Detection: at 450 nm;
Expiry: 6 months at 2 - 8°C.

For Information: Uzbekistan Repablic, 702132 Tashkent,pos. Ulugbek,"Radiopreparat" enterprise Fax: 99871 2649062 • e-mail:pgchistyakov@mail.uznet.net