

HBV BLOOD SCREENING SOLUTIONS

- About 240 million people worldwide are chronically infected with HBV and an estimated number of 686,000 people die each year due to complications of Hepatitis B, including cirrhosis and liver cancer
- HBsAg is the first serological marker of HBV infection and screening for it is recommended as minimum standard for blood safety

Reference:
1. GBD 2013 Mortality and Causes of Death Collaborators. Lancet. 2015;385(9963):117-71.

MP DIAGNOSTICS HBV ELISA RANGE

For the detection of different Hepatitis B Virus serological markers in human serum or plasma

Serological detection of HBV antigens or antibodies	Detects all stages of HBV	Aids in monitoring and management of disease	Sensitivity > 99.7%	Specificity >99.8%
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HBsAg ELISA 4.1 CE

- Detects Hepatitis B Virus Surface Antigen (HBsAg), the most important protein of the envelope of HBV

HBeAg ELISA 4.0

- Detects Hepatitis B Virus e Antigen (HBeAg), a marker associated with virus replication and high degree of infectivity

Anti-HBs ELISA 4.0

- Detects antibodies to Hepatitis B Virus Surface Antigen (anti-HBs), a marker for recovery from HBV infection and monitoring of recipients of vaccination

Anti-HBe ELISA 4.0

- Detects antibodies to Hepatitis B Virus e Antigen (anti-HBe), a clinical sign of recovery from HBV infection

Anti-HBc ELISA 4.0

- Detects antibodies to Hepatitis B Virus Core Antigen (anti-HBc), a marker of acute, chronic or resolved HBV infection

HBc IgM ELISA 4.0

- Detects IgM antibodies to Hepatitis B Virus Core Antigen (HBc IgM), indication of an ongoing or recent HBV infection

PRODUCT	CAT. NO.	PACK SIZE	PRODUCT	CAT. NO.	PACK SIZE
TP ELISA 4.0 CE	23560-096	96	HBeAg ELISA 4.0	23201-048	48
	23560-480	480		23201-096	96
HIV-1/2 ELISA 4.0 CE	23030-096	96	Anti-HBc ELISA 4.0	23181-048	48
	23030-480	480		23181-096	96
HIV Ag/Ab Combo ELISA 4.0	23041-096	96	HBc IgM ELISA 4.0	23191-048	48
	23041-480	480		23191-096	96
HCV ELISA 4.0 CE	23130-096	96	Anti-HBe ELISA 4.0	23231-048	48
	23130-480	480		23231-096	96
HBsAg ELISA 4.1 CE	23470-096	96	Anti-HBs ELISA 4.0	23241-048	48
	23470-480	480		23241-096	96

Bloodscreen ELISA Range is for Research Use Only in the United States

Order your Bloodscreen ELISA Range today! enquiry_ap@mpbio.com



BLOODSCREEN ELISA RANGE

ELISA



COMPLETE BLOOD SCREENING,
NO MISSING PIECES

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IDENTIFYING YOUR MISSING PIECE

There is a lack of effective blood screening results of up to 8 million new Syphilis infections, 16 million new Hepatitis B infections, 5 million new Hepatitis C infections and 2.1 million new HIV infections every year. About 5% to 10% of HIV infections are caused by transfusions of contaminated blood or blood products.

The transmission of infection through transfusion of infected blood and blood products can be easily prevented through screening of blood.

WHO recommends that, at a minimum, blood be screened for HIV, Hepatitis B, Hepatitis C and Syphilis.

Reference:
1. amfAR. Statistics: Worldwide. [Available on: <http://www.amfar.org/worldwide-aids-stats>]

SOLVING THE DIAGNOSTICS PUZZLE

Early detection helps to preserve the quality of life.

Infectious diseases are leading cause of mortality and morbidity. Diseases such as HIV, Hepatitis and sexually transmitted diseases significantly disable millions, diminishing their quality of life.

Early diagnosis helps prevent the spread of infectious agents. It allows patients to receive early treatment, preserving their quality of life.

AN ASSEMBLY OF BLOOD SCREENING ELISAs



MP Diagnostics BloodScreen ELISA – The complete piece to your puzzle.

Our comprehensive range of blood screening kits ensures the safety of your blood supply. Each kit is highly sensitive and specific, thus giving you an accurate diagnosis in the shortest time possible.

MP DIAGNOSTICS BLOOD SCREENING SOLUTIONS... NO MORE MISSING PIECES

Comprehensive range to address your blood screening needs

Highly sensitive and specific for reliable and accurate results

Ready-to-use reagents reduce preparation time

Open system kits for high flexibility

Single incubation temperature reduces assay variation

Short assay time gives fast test results

SYPHILIS BLOOD SCREENING SOLUTION

- 5.6 million new Syphilis cases were diagnosed annually, affecting over 900,000 pregnancies and causing about 350,000 adverse birth outcomes including stillbirth in 2012
- Antibody to *Treponema pallidum* is the first serological marker of syphilis infection and screening for it is recommended as minimum standard for blood safety

References:
1. WHO website/Screening donated blood for transfusion-transmissible: recommendations, 2010.
2. Newman L, Rowley J, Vander Hoorn S, Wijesooriya NS, Unemo M, Low N, et al. (2015) Global Estimates of the Prevalence and Incidence of Four Curable Sexually Transmitted Infections in 2012 Based on Systematic Review and Global Reporting. PLoS ONE 10(12).

MP DIAGNOSTICS TP ELISA 4.0 CE

For the detection of *Treponema pallidum* antibodies in human plasma or serum

Utilises recombinant antigens p47, p17 and p15

Detects all stages of Syphilis

Performs better than RPR and TPPA tests

Sensitivity 99.52%

Specificity 99.95%

HIV BLOOD SCREENING SOLUTION

- HIV is a global pandemic. 240 people contract HIV every hour with 1.1 million deaths from AIDS-related illnesses in 2015
- Screening for HIV antibody is recommended as minimum standard for blood safety and specific detection of antibodies to both HIV-1 and HIV-2 is essential

References:
1. WHO website/Screening donated blood for transfusion-transmissible: recommendations, 2010.
2. amfAR. Statistics: Worldwide. [Available on: <http://www.amfar.org/worldwide-aids-stats/>]

MP DIAGNOSTICS HIV-1/2 ELISA 4.0 CE

For the detection of HIV-1/2 antibodies

Available in 3rd and 4th generation assays

Simultaneous detection of multiple antibody types

MP DIAGNOSTICS HIV Ag/Ab COMBO ELISA 4.0

HIV-1/2 antibodies and antigens in human serum or plasma

Utilises recombinant antigens gp41, gp120 and gp36

Sensitivity 100% (Ab) 100pg/ml (Ag)

Specificity > 99.75%

HCV BLOOD SCREENING SOLUTION

- It is estimated that 5 million people are infected with HCV every year and 130 - 150 million people are chronic HCV carriers. Approximately 700,000 people die from hepatitis C-related liver diseases annually
- HCV antibody appears in response to HCV infection and screening for it is recommended as minimum standard for blood safety

References:
1. WHO website/Screening donated blood for transfusion-transmissible: recommendations, 2010.
2. Lozano R, et al. Global and regional mortality from 235 causes of death for 20 age groups in 1990 and 2010: a systematic analysis for the Global Burden of Disease Study 2010. Lancet 2012; 380: 2095-128.

MP DIAGNOSTICS HCV ELISA 4.0 CE

For the detection of HCV antibodies in human serum or plasma

Shorter window period with 3rd generation assay

Detects all 6 genotypes of HCV

Utilises recombinant antigens Core, NS3, NS4 and NS5

Sensitivity 100%

Specificity 99.96%

Contact us for a quote today! enquiry_ap@mpbio.com