Roche Blood Safety Solutions
Integrated solutions to improve reliability, safety and efficiency
From pre-analytics to serology to nucleic acid amplification, we provide scalable, powerful infectious disease screening configurations that grow with you.

The **cobas® MPX test** is a realtime PCR multiplex test for HIV, HCV and HBV that covers five critical targets and provides real-time virus discrimination. A dual-target approach, with amplification of separate regions of HIV-1, and dual probes for HCV, improves coverage of new virus variants.

Beside the **cobas® MPX test**, the **cobas® DPX test** is our next generation duplex test that couples precise quantitation of parvovirus B19V with sensitive detection of hepatitis A virus.

To fulfill current needs in blood and plasma screening, we offer additionally the **cobas® West-Nile-Virus** as well as the **cobas® Hepatitis E screening test**.

- **cobas® MPX Test** (HIV, HCV, HBV)
- **cobas® DPX Test** (Hepatitis A Virus, Parvo B19 Virus)
- **cobas® WNV Test** (West-Nile-Virus)
- **cobas® HEV Test** (Hepatitis E Virus)
Pre-analytics

The key to minimizing errors in sample handling is to use automation to remove manual handling steps from sample workflow. This is achieved by using automated solutions for pre-analytics and sample transport. Manual steps like centrifugation, de-capping, aliquoting, sorting, and sample transport are automated.

This leads to a reduced exposure of lab personal to biohazard and reduced labor costs. Automation aids consolidation and centralization which in turn improves sample traceability and overall process control.

The single point of entry for all samples reduces complexity in the sample workflow. The pre-analytical solutions provide a fully integrated and standardized laboratory workflow and can be used in conjunction with all of the Roche Blood Safety Solutions analytical platforms and cobas® analyzer series.

High process quality

Studies show that cobas p 312, cobas p 512, and cobas p 612 pre-analytical systems as well as cobas® connection modules (CCM) provide cross contamination free pre-analytics and sample transport for serology and nucleic acid amplification technology (NAT) testing platforms.

Depending on your requirements you can choose from our solutions: e.g. cobas p 312 for small footprint (less than 1 m x 1 m) and a throughput of up to 450 samples/hour and cobas p 512 / cobas p 612 for high throughput, with up to 1400 samples/hour.

Serology Testing

Being able to recognize an infected donation regardless of when the donor was infected or where you are in the world is critical. The Elecsys® HIV combi PT, Elecsys® HBsAg II, Elecsys® anti-HCV II and Elecsys® Syphilis assays have all been designed with this in mind.

All four tests can detect the major viral genotypes and variants found worldwide so the same tests can be used everywhere.1-6 They show very high seroconversion sensitivity so they can achieve a positive result even in the very early stages of infection.1-3 The very high specificity and a clear cut-off separation of positive and negative results reduces the need for retesting.

- Elecsys® HIV combi PT
- Elecsys® HBsAg II
- Elecsys® HCV II
- Elecsys® Syphilis

Due to ongoing globalization we will be confronted with new infectious diseases. Therefore Roche Diagnostics is always keen to develop new immunoassays being able to support the challenges in the blood safety field. The Elecsys® HTLV assay is already available and the Elecsys® Chagas assay will be launched beginning 2017.
References