The cobas® b 123 POC blood gas analyzer for bedside testing

Outstanding in vital parameter testing and unmet ease of use at the point of care

The cobas® b 123 POC system is the latest blood gas analyzer manufactured by Roche and specifically designed for health professionals at the point of care (POC). A quick testing turnaround time and an intuitive user interface differentiate the cobas® b 123 POC system in critical care environments where rapid medical decision making is required. The cobas® b 123 POC system has many infection control and safety features that mark the analyzer unique for vital parameter testing throughout the hospital.

Working closely with focus groups, the Roche product development team designed the cobas® b 123 POC system to address the most critical issues associated with blood gas analysis to enhance patient benefits. Measuring 17 parameters including blood gases (pH; pCO₂; pO₂), electrolytes (Na⁺; K⁺; Ca²⁺; Cl⁻; Hct), metabolites (Lactate; Glucose) and Co-oximetry (tHb, SO₂; O₂Hb; COHb; MetHb; HHb & Total Bilirubin), with a throughput of 30 samples per hour the cobas® b 123 POC system allows improved therapy outcomes. An extended panel of test parameters available further enhances clinical decision making based on a greater overall perspective of the patient’s condition.

The cobas® b 123 POC system is extremely easy to use and allows healthcare professionals to spend more time providing care to patients. The press of a single button is all that is required to initiate a sampling procedure. An intuitive color, graphical interface guides the user with icons and text step by step and presents unambiguous readings for reliable interpretations of patient results.

The cobas® b 123 POC system has been designed with a number of innovative features to facilitate robust uptime, resulting in an appropriate and early medical treatment. One of the most remarkable ease of use aspects of the cobas® b 123 POC system is the fully self-contained fluid pack management. All waste byproducts from blood gas testing, and associated tubing are safely contained within the removable fluid pack. The reagent sampling port, also part of each consumable pack, eliminates additional need for routine maintenance, tubing replacement, waste handling, and sample port cleaning.
A smart chip on each consumable enables health care professionals for immediate access to relevant information such as lot number, frequency of reagent pack utilization, days remaining of pack reagents, and expiration date with full interchangeability between analyzers. This is unique among cartridge-based systems and minimizes any waste that may occur as a cartridge is due to expire. Easy access through an illuminated front door supports quick and simple consumable changes, even in darkened patient rooms.

Connectivity to the hospital network is enabled wirelessly or via a network port using cobas bgelink and cobas IT1000 software. The cobas IT 1000 application is the tool that takes managing patient data to another level of health care support. Offering a comprehensive POC management interface it provides easy connectivity and control remotely from the cobas b 123 POC systems. The cobas bgelink software improves workflow efficiency enhancing the service delivered to health professionals and supports easy maintenance.