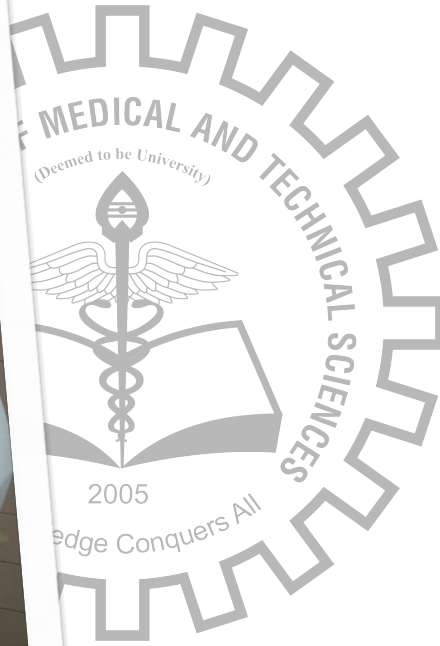


# AUTO MICRO ANALYZER



The A15 analyser is an automatic analyser for random access In Vitro Diagnosis specially designed for performing biochemical and turbidimetric clinical analyses. The instrument is controlled on-line in real time from an external dedicated PC. The analyser performs patient-by-patient analyses and enables the continual introduction of samples. The results are shown immediately after each measurement. The high-speed preparation of the reactions makes it ideal for medium-capacity automated laboratories. The flexibility of the samples and reagents racks system enables the perfect adjustment of the capacity of the analyser to the specific needs of each laboratory.

In each of the elements of the A15 analyser, BioSystems has used leading edge technology to obtain optimum analytical performance, as well as taking into account economy, robustness, easy use and maintenance. A three-axis Cartesian operating arm prepares the reactions. Dispensing is performed by means of a pump with a ceramic piston via a detachable thermostatised needle with PID control. A washing station guarantees that the needle is kept perfectly clean throughout the process. The reactions take place in a thermostatised rotor in which absorbance readings are taken directly by means of an integrated optical system.

The A15C model also has a reagent refrigerator with a storage capacity for up to 20 containers.

The elaborate computer programme enables the easy control of the extensive functionality of the analyser. The user interface is flexible, simple and very graphic, clearly separating the daily routine tasks from the less frequent tasks. All the data and results are stored securely, with the possibility for exportation. Various initialisation, functioning and shutdown options can be configured for the analyser. The user can programme an indefinite number of measurement procedures (techniques), technique profiles and reagent racks, depending merely on the computer's hard disk capacity. The analyser works with 5 sample types: serum, urine, plasma, whole blood and cerebrospinal. Each measurement procedure can be adapted to each one. During a work session, the user can continually introduce normal or urgent samples in the analyser without interrupting the measurements in progress. The samples may be pre diluted. The analyser automatically orders the tests of each patient to avoid incompatibilities between reagents and to optimise performance. From the Monitor screen, which is particularly graphic, the analyser keeps the user informed about its functioning status and the result-obtaining process. All these characteristics, together with the variety of possible analysis modes (bi-reagent differential, fixed mono reagent or bi-reagent time and mono reagent or bi-reagent kinetic), make the A15 analyser an instrument that is highly versatile and effective for clinical analysis laboratories.