

Inauguration of Biochemistry Laboratory Service for Patients

28th July, 2021

The department of Biochemistry of AIIMS- Kalyani has installed fully automated random access system – Vitros 4600 Dry-Chemistry Analyzer based on US -FDA approved microslide and microtip technology where no external water resource required for performing clinical biochemistry assays from 28th July 2021. This is the 2nd institute after AIIMS, New Delhi, among all the AIIMS across the country, who has started this biochemical diagnostic service using this unique platform. This is a comprehensive system for doing all the routine biochemistry parameters like renal function test, liver function test, lipid profile, proteins, anemia profile, electrolytes and inorganic ions like calcium and phosphorous at the initial scope of the lab service. Further expansion of the service with parameters like rheumatology, cardiac enzymes and therapeutic drug monitoring along with drug abuse detection can be possible. The great throughput of the machine (up to a maximum of 845 test per hour) with high precision will be helpful to provide rapid turn-around time to provide highest level of quality reports by removing interferences related with hemolysis and other impurities and confounders within a short span of time. Further, it needs very less quantity of samples to perform the test which will be helpful for pediatric samples.

In this pandemic for the management of COVID -19 patients, the critical parameters like D-Dimer, Hs-CRP, LDH, etc. can be performed in this analyzer with shorter turn around time to ensure the prompt and quality result for better patient management.

As a commitment of AIIMS -Kalyani towards green and clean environment this waterless technology has been chosen preferentially to save on average 160,000 liters of water per year as our small contribution to preserve the nature. This does not generate biological liquid waste, which eases the disposal.

We are sure that with the establishment of this diagnostic service, the patient care system of AIIMS, Kalyani will definitely be able to attain better out-reach to the patients of the state.

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Executive Director, Prof. Ramji Singh enlightening the Diya



Inauguration by Executive Director, Prof. Ramji Singh

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Executive Director with faculties of Department of Biochemistry

(L to R) Dr. Atanu Kumar Dutta, Dr. Sibasish Sahoo, Prof. (Dr.) Ramji Singh, Prof. (Dr.) Kalyan Goswami, Dr. Amit Pal



Executive Director with other faculties of AIIMS, Kalyani