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- Equipped with STAT function to accommodate emergency measurements

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- For all clinical settings, ranging from small clinics to large hospitals.

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USER’S VOICE
Installation
Reports

Veterinary Diagnostics
01 FUJI DRI-CHEM: One Way of Building Mutual Trust with Clients

The Meruko Mirai Veterinary Hospital was established in 2002. In addition to dogs and cats, it also admits exotic animals. This clinic is one of the few veterinary clinics in Japan that have FDC7000 installation. The director of the clinic, Dr. Eisichi Kanagawa, DVM, was kind enough to share his work ethics, clinic management ideas, and points of view regarding the FDC system.

Increases mutual trust with clients
Enhances efficiency of medical examination
Makes tests possible even with low-quantity samples

Work ethics: Client-centered care and pursuit of expertise
“The thing that I value most is the mutual trust with my clients,” confides Dr. Kanagawa. Meruko Mirai Veterinary Hospital’s philosophy is based on informed consent, and the veterinary clinic has been serving its clients with its entire staff recognizing the great importance of communicating with clients. The staff working at the clinic strives to courteously explain the diagnoses and treatments to clients’ satisfaction. This approach has been the main reason for a steady increase in the clinic’s client base. Further, this clinic’s specialty is to treat exotic animals, especially ferrets. The director once worked in a renowned ferret clinic, and this information has been widely publicized since the clinic’s inception. The clinic has clients even from distant places who are willing to travel the extra mile for better medical care. Dr. Kanagawa strives to enhance his skills and knowledge in treating ferrets and to be a leading expert in this field, so as not to betray the expectation of his clients.

High-throughput and low-quantity sample measurements are the deciding factors for FDC7000 installation
“Our clients, especially from distant places, need a solution on site. Through real-time laboratory tests, real-time diagnoses and treatment are attainable. This is the main reason why we chose to install the FDC7000 system at our facility.” From a client’s point of view, this machine is a necessity. In addition to high throughput made possible by simultaneous loading and continuous measurement, the system’s ability to analyze low-quantity samples is one of the prime reasons for choosing FDC7000. This feature is of great use especially for small animals such as ferrets where blood collection has several limitations.
When questioned about the clinic’s future prospects, “We aim to work hard in line with our philosophies, so as not to betray the trust of our clients,” says Dr. Kanagawa.

02 Integration of Biochemical Tests to Evaluate the Health of Zoo Animals

Zoological and Botanical Garden in Plzen is the second-oldest zoo in the Czech Republic; the zoo was established in 1906. The zoo’s collection has grown to more than 1,300 species and 6,500 individual animals. Among the most interesting animals are Indian rhinos, Sudanese cheetahs, Liberian hippo, Komodo dragons, giant tortoises, lemurs, chimpanzees, giraffes, Siberian tigers, snow and Chinese leopards, and penguins.
The health of zoo animals is closely monitored by Jan Pokorný, DVM, Zdeněk Rampich, DVM and Alexandra Filipová, DVM. They have installed FDC4000 as the primary analyzer for biochemical tests, an integral part of evaluating animal health.

Health evaluation using biochemical tests
Evaluation of biochemistry

The health of the animals in this zoo is regularly monitored as part of health evaluation guidelines by the veterinary doctors. Monitoring biochemical parameters is an integral part of these guidelines. For biochemical tests, they have selected certain parameters for the evaluation, and they conduct all these tests during every health evaluation.

Convenience
With the installation of FDC4000, the facility is able to conduct real-time and efficient biochemical tests for health evaluations. The easy operation of FDC4000 means that designated technical staff is not required for its operation; thus, any member of the clinical staff can operate it. When asked to describe the FDC, “Life without the FDC was empty and gray,” says Dr. Jan Pokorný.

03 FUJI DRI-CHEM: A Convenient, Practical and Efficient Tool for Fisheries Research

The Mediterranean Fisheries Research Production and Training Institute is one of the several Regional Research Institutes in Turkey. The institute’s responsibilities include conducting research and production activities in marine and freshwater environments to meet the social expectations and to provide scientific data for evaluation of the environmental situation and for utilization of resources; to define and follow the sector problems in the working areas; development and management of research infrastructures; and to train the producers and public staff on existing and acquired knowledge and technologies.
The facility has recently installed the NX500 system for some of their projects. Nesar Emre, DVM, one of the veterinarians working in the institute, was kind enough to share with us some thoughts about this system.

Easy to use and practical even for research purposes
Fulfills the need for an efficient system for biochemical tests in their projects
The NX500 system is a fully automated biochemical analyzer; it does not require special skills for operation and provides quick test results. Dr. Nesar Emre said that they needed the NX500 system for the aforementioned features. They have been conducting biochemical tests manually, which is time-consuming and complicated. With the installation of NX500 in their facility, biochemical tests can now be conducted swiftly and easily.
Application of the FDC to fisheries research
Dr. Emre said the NX500 system has helped them a lot in monitoring and studying the health of freshwater and sea fishes, by checking some parameters, and comparing the results obtained with reference ranges. Also, they usually use the FDC to observe the effects of forages on fishes by evaluating some biochemical parameters.

04 Accommodating the Clients’ Need for Speedy Test Results

The Mor Pati Veterinary Clinic was established in 2010, with a vision to provide patients with accurate and fast diagnosis and treatment. The facility is managed by three veterinarians with Hmay Alin, DVM serving as the head. For most part, this clinic treats dogs, cats, and rodents. They have recently installed the latest version of FUJI DRI-CHEM analyzer, the NX500 system. We were able to hear their thoughts on the FDC system and this latest version of the analyzer.

Easy to use and practical
Dr. Emre also states that the operation of the FDC system is very simple, “Easy to use and practical,” she says. Although the operation of this system is simple and can be performed by anyone, they have designated some staff to operate the machine because of their project workforces. In practical terms, the FDC system can measure low-quantity samples and this is a great feature for them because they are working with fishes, where blood collection for tests is a serious issue in some cases.

Good accuracy and precision
When asked about the accuracy of the system, Dr. Emre said they are completely satisfied with the accuracy and precision of this system. She also added that there was no discrepancy between the test results and the physical state of the fishes.

Convenience
With the installation of FDC4000, the facility is able to conduct real-time and efficient biochemical tests for health evaluations. The easy operation of FDC4000 means that designated technical staff is not required for its operation; thus, any member of the clinical staff can operate it. When asked to describe the FDC, “Life without the FDC was empty and gray,” says Dr. Jan Pokorný.

Optimal test result
Operator friendly
Accommodates the strong need of clients for speedy test results
The Mor Pati Veterinary Clinic installed the FUJI DRI-CHEM NX500 to accommodate the need of their clients for speedy results. They have been using this system for 6 months and the NX500 system has been able to meet this demand. With its compact size, the NX500 system does not consume a lot of space and can easily fit into the workstations of even small clinics. This important feature enables on-site testing in clinics. Moreover, analysis of one test in the FDC system takes only 1 to 6 minutes. Thus, test results can be obtained and diagnosis can be made on the day of visit.

Operator friendly
The FDC system is very simple to operate, and with its touch screen menu, it is even more operator friendly. The facility head told us that most of their veterinarians can use this machine and that there is no need for a technician. They also find this machine to be low maintenance. The maintenance is not time-consuming and the procedure is simple.

Accuracy: No discrepancies in test results and physical state of patients
When asked about the accuracy of the system, Dr. Alin said that so far, they are content with the results and that no discrepancies with the physical state of patients have been observed.

Suggestions for improving the FDC
Dr. Alin thinks that addition of reference ranges for other animal species and parameters will improve the FDC system and will make it even more useful.