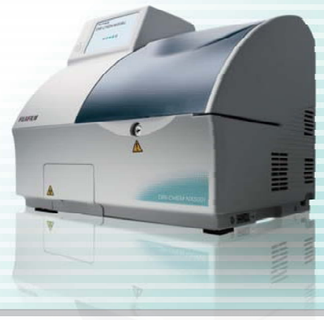
DRI-CHEM

Automated Clinical Chemistry Analyzer FUJI DRI-CHEM Series

- Operator friendly with its touch screen keyboard
- A single specimen load analyzer that accommodates multiple tests with high throughput (128 tests/hour)
- "Real-Time and Borderless" clinical chemistry is made possible through its quick, easy operation and compactness



Automated Clinical Chemistry Analyzer

FUJI DRI-CHEM NX500

- A 5-sample loading analyzer providing a walk-away system and efficient workflow
- 190 tests/hour, offering high-throughput performance and high-speed processing
- Equipped with STAT function to accommodate emergency measurements

Automated Clinical Chemistry Analyzer

FUJI DRI-CHEM 7000

- Fully automatic analyzer for more convenient and reliable on-site performance, featuring remarkable TAT response and wider network system capability.
- For all clinical settings, ranging from small clinics to large hospitals.

Automated Clinical Chemistry Analyzer

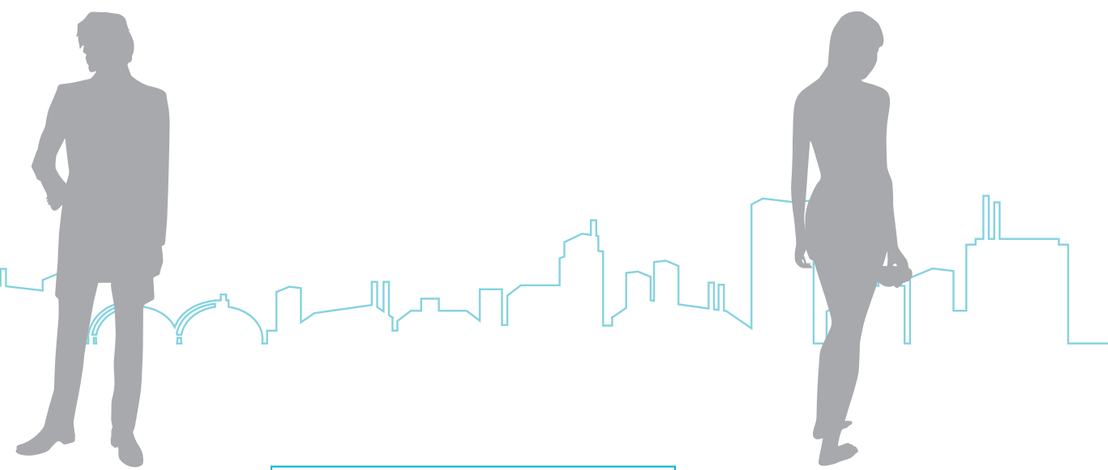
FUJI DRI-CHEM 4000

Contact your local distributor for availability.

FUJIFILM

USER'S VOICE

Installation Reports



Medical Diagnostics

FUJIFILM

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Automated Clinical Chemistry Analyzer FUJI DRI-CHEM

USER'S VOICE

Installation Reports

01 High Precision and Excellent Reagent Stability

DATA
Facility: Dr. Suri Lab Pvt. Ltd, New Delhi
Type of Facility: Stand-alone Laboratory
Location: New Delhi, India

Dr. Suri's laboratory was established in 1980 with the mission of providing quality diagnostic services to the people of Delhi. It is a stand-alone laboratory that has been on the forefront in providing world-class laboratory services by adopting the latest technologies and introducing the latest state-of-the-art fully-automated analyzers from USA, Germany, France, and Japan.

They have installed FDC7000i as a routine biochemistry analyzer and FDC4000i as a backup system. Dr. Pradeep Suri, one of the head pathologists at this facility, was kind enough to share with us his thoughts on the FUJI DRI-CHEM (FDC) system.

POINT 1 Convenience
POINT 2 High precision
POINT 3 Excellent reagent stability

Incomparable convenience

"The FDC system is very simple and easy to operate, even my basic technician can run it", says Dr. Suri. His laboratory staff finds the operation and maintenance for both FDC7000i and FDC4000i quite easy.

High precision and stability

As per Dr. Suri, the best feature of this system is the small pack size of the reagents. The single-pack sizes result in more reagent stability; thus, high-precision results can be attained. There is no reagent drift or shift, which can often be observed with liquid reagents.

Dr. Suri also told us that with these small packages of the reagents, he is more comfortable working with rare parameters such as NH3, Amylase, CPK, which are not high-volume parameters. The system allows him to work with these low-volume parameters with high precision, and the reagents are wasted to a lesser extent.

A credible system for routine tests

Although Dr. Suri Lab Pvt. Ltd. has large analyzers that can simultaneously analyze multiple samples, Dr. Suri believes that the FDC system is a credible system for routine tests. "For a laboratory that doesn't have too much workflow, it's a very good system for routine work. Even for bigger laboratories, the FDC can accommodate your rare chemistries and also when your main system is very busy, the FDC can accommodate urgent cases," explains Dr. Suri.

Suggestions for improving the FDC

"The FDC should have a larger parameter menu. If the menu expands, then I think that it has a great potential to succeed in India."

02 FDC4000i in Emergency Cases

DATA
Facility: Hospital Geral of Luanda
Type of Facility: Public Hospital
Location: Luanda, Angola

The Hospital Geral of Luanda, a provincial hospital in Luanda, Angola, was established in 2006. This hospital was one of the firsts to be built under the new health policy implemented in 2005 by the Angolan Government, closing the serious gap in healthcare needs in Angola as a result of the recent internal war. The hospital currently has 58 employees.

This hospital has been using the FDC4000i system as their primary biochemistry analyzer for 3 years, and on an average, they perform 20 test runs using the FDC4000i system daily. Dr. Candido Alberto was kind enough to share his thoughts on the FUJI DRI-CHEM system, especially the FDC4000i system.

POINT 1 Emergency adaptability
POINT 2 Operator friendly

Accommodates the client's need for speedy test results

We asked Dr. Alberto why their facility needs real-time diagnostics. He replied, "Most of our patients need instant diagnosis and medication. Our facility accommodates emergency cases, as our hospital is an emergency hospital. The FDC4000i system is very easy to operate and preferable in emergency hospitals such as ours." He added, "I would recommend this system to other hospitals, particularly to emergency hospitals seeking easy diagnosis."

Operator friendly

"The FDC4000i system is very simple to operate and maintain. Maintenance is not time consuming. I prefer this system because it is operator friendly and easy to maintain."

Performance

Dr. Alberto shared that they have been using the FDC4000i system for the past 3 years and they are completely satisfied with its performance. They have not observed, so far, any discrepancies between test results and patient observation results.

Suggestions for improving the FDC and its features

"The local distributor should improve its delivery of reagents and maintenance services, especially for hospitals that depend on the FDC for day-to-day patient diagnosis."

03 FUJI DRI-CHEM as One of the POCT Solutions in Italy

DATA
Facility: Azienda Ospedaliera S. Maria degli Angeli
Type of Facility: Provincial Hospital with Emergency Department
Location: Sacile, Italy

The origin of the hospital "Azienda Ospedaliera S. Maria degli Angeli" dates back to the 13th century. It served as a shelter for pilgrims travelling to Rome. At present, Azienda Ospedaliera S. Maria degli Angeli has 5 hospitals, located in Pordenone, Sacile, Tagliamento, Spilimbergo, and Maniago, respectively. Its main hospital is located in Pordenone, Italy. Since 1996, the main hospital and the hospital in Sacile are provincial hospitals of regional importance. These hospitals provide inpatient and outpatient diagnostic services, treatment, and rehabilitation. They accommodate over 25,000 hospitalizations and more than 2,000,000 outpatient service requests each year. The hospital's central laboratory is located in the main hospital in Pordenone, which manages all the other sites and laboratories from this remote location.

We have visited the Department of Laboratory Medicine of the hospital in Sacile, which is headed by Dr. Renato Tozzoni, and we were fortunate to talk to Dr. Margherita Morandini regarding the FDC4000 system as one of their POCT (Point of Care Testing) solutions.

POINT 1 POCT solutions in hospitals
POINT 2 Patient safety with POCT solutions
POINT 3 No need for sample manipulation because of the plasma filter

Importance of POCT solutions in hospitals in Italy

According to Dr. Morandini, POCT solutions were implemented to obtain faster test results, which would aid in streamlining care and improving clinical outcomes. Currently, 2 of 3 hospitals in Italy do not have a laboratory.

She further explained the requirements for a POCT solution. "The connectivity of different POCT devices that electronically transfer the data to laboratory and clinical information systems and to the patient's electronic medical record is a crucial selling point. It is mandatory that the instruments are simple and easy to use; in particular, there must be no sample manipulation, i.e., we need direct measurements from primary tubes."

Patient safety by POCT solutions

When asked about the advantages of POCT solutions over central diagnostics, she replied, "Shortened turnaround time, ease of use, absence of sample manipulation, and true patient safety. True patient safety is attainable if all the phases are lean, the personnel are well trained, and the solutions are controlled by a central system with constant laboratory monitoring."

Absence of sample manipulation

"The most important and key feature of the FDC4000 system as a POCT solution is the possibility to use primary tubes directly without manipulation of samples. Manipulation of samples can be a source of errors. With the plasma filter of the FDC, all our staff can easily operate this instrument without compromising patient safety."

Performance of the FDC and its compatibility with the hospital's current workflow

From its installation, the hospital is satisfied with FDC4000's simplicity in operation and the system's accuracy and precision. So far, they have not seen any discrepancies in the results. Dr. Morandini also added that the FDC has proved to be compatible with the hospital's current workflow.

Suggestions for improving the FDC

Dr. Morandini suggests the incorporation of a QC management program for the FDC. "QC has to be performed regularly and has to be monitored by a central laboratory program. It is ideal to have a QC sample registered via a barcode when used in each instrument. Currently, this is not possible in the FDC; QC information such as lot numbers needs to be typed in manually into the QC program. This again can be a possible source of error, which needs to be minimized."

04 Faster Turnaround Time, Simpler, and Easier than Liquid Chemistry

DATA
Facility: Metropolis Healthcare Pvt. Ltd.
Type of Facility: Chain Laboratory
Location: Gurgaon, India

India, the second most populous country in the world, has a wide network of pathological laboratories catering to different client requirements. With the country's growing economy, it has attracted numerous foreign investors. Among them is FUJIFILM Corporation, which is located in Japan and has launched its medical systems in India including the FDC system. Metropolis Healthcare Pvt. Ltd. is one of the largest pathological chain laboratories in India.

Several FDC4000i systems are working in their laboratories. Their thought on this system has been shared.

POINT 1 Fast turnaround time
POINT 2 Operator friendly
POINT 3 Accurate and precise results

Fast turnaround

Metropolis offers different pathological tests. A reduction in the turnaround time of the measurements will greatly improve the workflow of the facility and provide speedy results to the clients. The FDC system has made this possible.

According to Mr. Vijay Jha, head of the facility, the FDC has a fast turnaround time, much faster and easier than liquid chemistry that they have previously used. The FDC requires no calibration, cutting down on the preparation time before each measurement, thus enabling faster operation.

Operator friendly

The second best feature of the FDC is that it is an operator friendly machine. The staff at Metropolis finds it easier to operate. The maintenance is also easy and relatively quick.

Accurate and precise results

Mr. Jha finds the FDC results very precise and more accurate compared with liquid chemistry that they have previously used. As a chain laboratory, they have checked the traceability of each and every method that they have used in the FDC system and matched it with strict validation procedures.

Maintenance benefit

With the FDC, the amount of waste from clinical chemistry has reduced and the maintenance cost has also decreased.

Suggestions for improving the FDC

Mr. Jha recommends that distributors of the FDC should be available in provincial areas as well, so that the transfer of reagents to chain laboratories such as theirs is efficient.

When asked to rate the FDC on a scale from 1 to 10, Mr. Jha gave the FDC a score of 10 and mentioned that he will definitely recommend this system to his peers.