DiaSys

Diagnostic Systems

DiaLog

DiaSys International Newsletter

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Dear customers, partners and friends around the world,

This DiaLog newsletter clearly demonstrates the huge variety of topics a diagnostic company is dealing with at the age of 30. If it were a human being, we would consider it as the rush hour of life. New products such as LDH 21 FS have been launched - please be aware of the outstanding performance. In addition, our new water-purification system line fully supports our “choosing quality” philosophy.

The interaction with organizations such as IFCC implies many aspects. The focus is to bring clinical diagnostics to much more worldwide awareness. During the COVID-19 pandemic, various valuable guidelines have been released by IFCC. More about the latest development on serological testing of patient samples suffering from COVID-19 is taken up as a topic, too. In addition, much more possibilities to interact with IFCC exist than just those on the scientific side.

The Olympic Games at Tokyo in 2021 brought a real surprise for us along. One of the earliest developed instruments in our portfolio has made it to qualify for the Olympic Games in Tokyo in 2021. Please enjoy reading this little side story in the life of a 30 years old company. From Europe to Japan in the Far East and to the far west of Latin America, we continue to stay in close contact to our customers. The report on the latest virtual training of our partners in Latin America may be considered as one example only in this respect.

We hope you enjoy reading this Dialog and would love to meet you in person at MEDICA 2021 in Düsseldorf. We all still have to face some restrictions due to the COVID pandemic therefore; we warmly welcome everyone at our booth who will find his way to us.
Please take care and stay healthy!

Sincerely yours,
Dr. Jan Gorka

Author

Dr. Jan Gorka
Managing Director and CEO

IFCC International Federation of Clinical Chemistry and Laboratory Medicine

IFCC Task Force for Corporate Members

The International Federation of Clinical Chemistry and Laboratory Medicine is a global non-political organization to promote clinical chemistry and lab medicine in order to disseminate information on “best practice” at various technological and economic levels. It comprises 88 national societies representing 45,000 laboratory medicine specialists around the world. Representatives from member organizations are volunteers, invited because of their expertise. I would like to make you more aware of the IFCC Task Force for Corporate Members.

When I have joined the diagnostic industry 4 years ago, one of my first personal encounters with IFCC members took place during the official inauguration of the IFCC Task Force for Corporate Members in Barcelona in 2019. It immediately caught my attention leading to my application as a corresponding member of this newly formed task force. My participation increased my understanding of IFCC tremendously. As the IFCC represents the largest and most respected federation for laboratory medicine across the globe, As such, I highly encourage each one of you to engage more with IFCC, if given the opportunity to do so.

Our engagement and 22-year association with this federation helps to support, drive and multiply the work of this organization in the field of clinical diagnostics. DiaSys is a full member of IFCC and takes advantage of the content provided by IFCC to spread it within our organization and channels and our employees are involved in several different scientific working groups and the IFCC Task Force for Corporate Members. The essence of IFCC is scientifically based support of clinical diagnostics and the passion of people behind, to improve the patient’s life throughout the world. If you want to know more about the IFCC, please feel free to explore their website and learn more about the Task Force for Corporate Members.

“It is people who make the difference. Leaders like Dr. Jan Gorka from DiaSys, and other members of our task force, that are helping us to drive change for the profession of laboratory medicine”, comments the current chair of the IFCC Task Force for Corporate Members, “being involved brings access, knowledge and a joint vision for the future. Thank you all for what you do to support the IFCC.” https://www.ifcc.de/

Author

Dr. Jan Gorka
Managing Director and CEO

DiaSys Diagnostic Systems

New reagent for determination of Lactate Dehydrogenase (LDH)

DiaSys is pleased to announce the launch of LDH 21 FS, a new assay for determination of Lactate Dehydrogenase (LDH). Increased LDH activities are found in a variety of pathological conditions such as myocardial infarction, liver diseases, blood diseases, and cancer or muscle diseases. Increased serum LDH values are also one of the abnormal diagnostic parameters in COVID-19 patients with a severe or fatal course of disease.

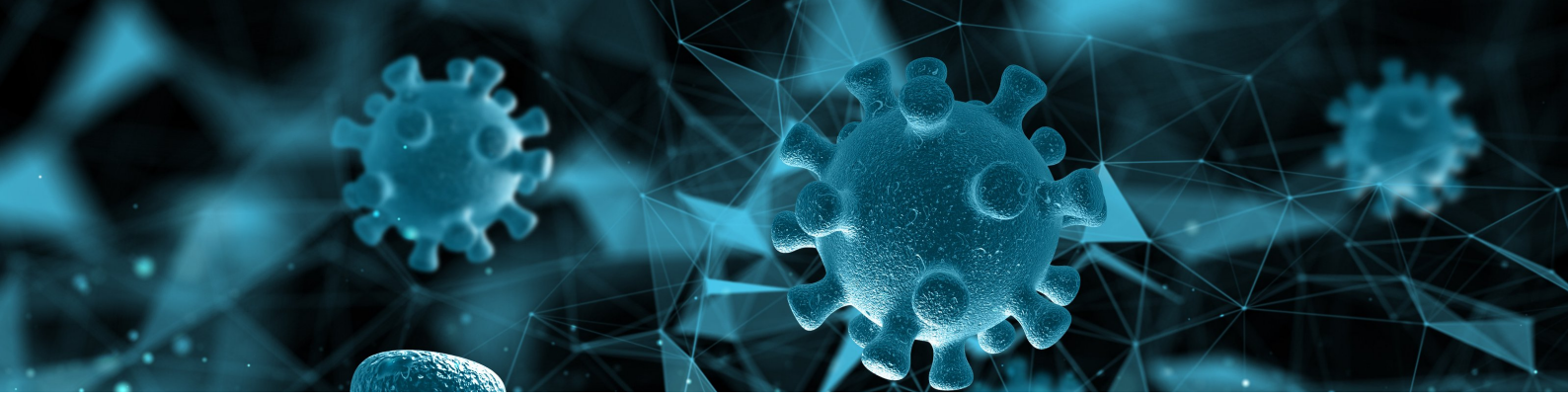
For LDH, a standardized reference method by the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) is available. The new LDH 21 FS uses a modified IFCC method that shows optimized performance.

The reagent is characterized by an improved calibration and onboard stability, as well as a wide measuring range, high precision at clinical cut-offs and minimized interferences by common blood components. The ready-to-use reagent is used with fluid-stable calibrator and controls.

The new test may be applied on all automated clinical chemical analyzers and shows good comparability with commercially available methods for the determination of LDH.
For further information, please follow the link: LDH 21 FS

Author

Isabella Wieland
Strategic Product Manager Reagents



New IFCC guideline on serological SARS-CoV-2 antibody testing

In response to the ongoing pandemic, the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) founded a COVID-19 Task Force. Their primary objective is to provide information on population screening, diagnosis, biosafety guidelines for clinical laboratories, and recommendations on biochemical monitoring of hospitalized patients suffering from COVID-19. The task force recently published a preliminary guideline for serologic testing of antibodies to SARS-CoV-2 to assist clinical laboratories around the world.

The evidence-based recommendations, published in CCLM online October 6, 2020, provide preliminary guidance on clinical indications and target populations, on assay selection, verification of regulatory-approved assays, as well as on interpretation and limitations of serologic tests for antibodies to SARS-CoV-2 infection.

For further information, please follow the link to the (freely available) publication: https://www.ifcc.org/media/478651/14374331-clinical-chemistry-and-laboratory-medicine-cclm-ifcc-interim-guidelines-on-serological-testing-of-antibodies-against-sars-cov-2.pdf

Author

Irene Delseith-Hermsdorf
Global Marketing - Head of Marketing

Further development of the water purification systems

DiaSys is pleased to present the enhanced water systems O maxi and O mini. The improved systems are now marketed under the names O maxi+ and O mini+. Besides a new design of the housings, especially the control system has been revised. The analog pressure gauges previously used have been replaced by digital pressure sensors. Furthermore, in addition to the sensor at the water outlet, a second conductivity sensor has been installed downstream of the reverse osmosis membrane. This allows early detection of membrane wear and appropriate action to be taken. The values of all sensors can be called up via an LCD display and transmitted to an external PC via a USB connection.

Due to an optimized arrangement of filter and pump in the O maxi+, the 11 L exchanger resin bottle could be integrated into the housing. The 72 L water tank can either be placed freely next to the water system or on top of the housing which allows a more space-saving and flexible installation.

The exchanger resin capacity of the O mini+ has been extended by an additional 0.25 L cartridge. Thus, more water can be produced before the cartridges have to be replaced. The O classic model will be offered unchanged.
The performance parameters of the systems have not changed as a consequence of the further development. We recommend the O maxi+ for use with BioMajesty® JSC 6010/C or with the respons®940 analyzer. O mini+ or O classic are recommended for supplying the respons®920 and respons®910 systems.

DiaSys - Choosing Quality. For laboratory water, too!

More information and technical specification may be found on the webpage:
https://www.diasys-diagnostics.com/products/instruments/water-purification-systems/

Author

Dominik Bender
Product Manager Systems

Virtual customer training

Continuous education is key to mutual business success. DiaSys is aware that it is a challenge to stay in touch in times of the COVID-19 pandemic. Nevertheless, a virtual reagent training took place on three subsequent days in the first week of August 2021. Mostly, partners from South America were invited to attend. We counted approximately 50 participants per session. Beside a general introduction on DiaSys' product lines and concept, a total of 13 sessions offered fundamental knowledge on the following topics:

- Lipid diagnostics
- Performance criteria – Why we are better
- DiaSys quality: Calibrators and Controls
- Principles of immunoturbidimetry
- Renal diagnostics
- Thromboembolic events (focus on D-Dimer)
- Inflammatory markers (focus on PCT and CRP)
- Specialties in the assay portfolio (e.g. HCY and NEFA)
- Diabetes, and
- COVID-19 antibody test SARS-CoV-2 UTAB FS

The presentation slides were presented in Spanish and commented in English by Ms. Irene Delseith-Hermsdorf, Head of Global Marketing and Product Management, Ms. Isabella Wieland, Strategic Product Manager Reagents, Mr. David Ehlers, Strategic Product Manager Systems, and Mr. Roland Heyer, Area Business Director.
The main goal - to highlight not only the technical aspects of DiaSys product lines but as well the marketing and unique selling features, and thus, to create more awareness of the excellent quality of DiaSys portfolio - has been achieved. The feedback given to us was that the training was very well received. We hope to have motivated our partners to convert all this information into successful sales figures.
Even if we strive to expand this virtual format even further in the future, we are of course looking forward to the moment when we will be able to welcome you personally again at the Holzheim headquarters.

Author

Roland Heyer
Area Business Manager

Solidarity with flood victims

Not only has the pandemic been the dominant issue for the last two years, but in addition, devastating floods in the Ahr valley (Rhineland-Palatinate, Germany) and neighboring areas have added another shocking, unexpected and life-threatening situation for many people by mid-July 2021.

As a sign of solidarity with the victims, DiaSys, as employer in the Rhine-Lahn region has contributed to relieving the suffering in the affected areas, especially as DiaSys' customers, i.e. medical laboratories and their employees have as well been affected. Therefore, the management of DiaSys Diagnostic Systems GmbH and DiaSys Deutschland Vertriebs-GmbH donated an amount of Euros to the foundation of Volksbank RheinAhrEifel eG. The use of the incoming sums is bound to the repair of flood damage in Rhineland-Palatinate.
DiaSys is happy to support essential purchases with the money, which is only a small contribution in view of the need. Moreover, DiaSys will keep on talking to their customers in the affected areas to see which additional support may be provided so that the contribution of laboratory diagnostics to health care will soon be restored.

Author

Dr. Guenther Gorka
Managing Director and CEO

StarDust MC15 at the Olympics 2021 in Tokyo

The national rowing team representing Germany at the Olympic Games in Tokyo has been coached by Dr. biol. hum. Gunnar Treff, University of Ulm, Division Sports and Rehabilitation Medicine. In his function as a sports scientist, he provides methodological training support and advice. In a dramatic race, the German Men's Eight performed exceptionally by winning the the silver medal; the powerful Lightweight Men's Double Sculls performed extremely well, too.
Individual training management is an important part of this supervision because each athlete responds individually to training programs and stimuli, depending on age, training history, ethnicity, gender, and genes. Optimizing the training program includes, among other things, a comprehensive analysis of blood-based parameters.

Two traditionally used variables are creatine kinase (CK-NAC), allowing detection of damage to skeletal muscle, and urea, which, if elevated, indicates increased protein turnover. Meaningful monitoring is only feasible with high precision analysis systems available at the training site so that athletes may be examined immediately after a performance. This is the only way to avoid athletes being overloaded or underloaded. Such laboratory devices ideally work with the smallest amount of blood and are easy to operate.
For almost a year, Dr. Treff has been using the StarDust MC15 semi-automatic photometer from DiaSys in various training camps. Thanks to integrated incubation, automatic mixing and documentation, up to 14 results are available in less than five minutes. According to Dr. Treff, the measurements run "like clockwork"; he is enthusiastic about the speed and precision of the device and the corresponding reagents supplied by DiaSys. In addition, the weight of the StarDust MC15 analyzer allows it to be transported on a plane. Since July 1, 2021, StarDust MC15 has been used for on-site stress monitoring of the German rowing team in Tokyo.
Thanks to its proven reliable use, the device is also attracting interest among other coaches of professional athletes.

Author

Anette Weber
Assistant to the Head of Marketing

Pay us a visit at MEDICA in Düsseldorf

In November 2021, after the pandemic, companies from the medical industry will once again be allowed to be present on site at the world's largest medical trade fair, instead of participating digitally as in the previous year, of course, respecting strict security measures.

For four days, from November 15 to 18, trade visitors are invited to learn about the latest developments, products and services from more than 5,000 exhibitors from 155 countries. In addition to the trade show, MEDICA hosts free forums and conferences for knowledge transfer and networking.

DiaSys cordially invites you to join us at booth B01 in hall 7a. Take the opportunity to learn about new products such as the COVID-19 antibody test SARS-CoV-2 UTAB FS, about improved reagents such as LDL-c direct FS for the direct determination of LDL cholesterol, or about new analyzer and system developments for improved diagnostics.

We are looking forward to your visit! More info here: https://www.medica.de/

DiaSys offers distributors and partners the opportunity to meet their Area Business Director personally during the show. Please contact our sales team in advance. You may find the contact person for your country by following: https://www.diasys-diagnostics.com/company/diasys-worldwide/

Author

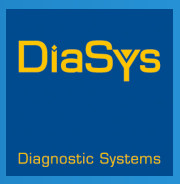
Julia Herrmann
Marketing Communication Manager

Visit us!

Booth no. B01, hall 07a

30 years of DiaSys

This year we celebrate our 30th anniversary.
For this reason, we regularly publish articles that give you an insight into the early days and development of DiaSys. Enjoy reading!



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