



## Enhancing Water Safety Practices at Shanghai Swimming Center

Shanghai Swimming Center, June 27, 2023 – The **Swimmer Magazine** unveiled the innovative water safety measures at the recently renovated Shanghai Swimming Center in a groundbreaking interview with Shudong Yuan, CEO of Shanghai Lanpure Water Treatment Co., Ltd., and Xueying Mao, Chief Representative of rqmicro China Office.

“By the time we know there are dangerous bacteria in our water, it might be several days after the samples are taken. The health of those swimmers who have gone to our swimming pool during these days is in danger,” says Shudong Yuan. “To assure that water is safe for all swimmers, we started to work with a Swiss company this year.”



*The Shanghai Swimming Center was renovated in 2022 and reopened for swimmers in 2023.*



*Lanpure Water Treatment CO., LTD. built first rqmicro lab for testing swimming pool water in Shanghai Swimming Center, China*

### Transforming Water Safety Monitoring for Swimming Pool Management

Shudong Yuan, proudly introduced Lanpure's Water Safety Monitoring Center as a game-changer in the industry. The center, a first of its kind in China, addresses the critical issue of delayed pathogen detection in swimming pool water. Traditional testing methods often require the shipment of samples to external service laboratories which typically take 72 hours for results. This long waiting time presents a serious health risk to swimmers.

Xueying Mao explains the rqmicro.COUNT, a portable flow cytometer coupled with test kits, providing quantitative and accurate results within 30 minutes to 2 hours. This technology has been seamlessly integrated into the daily operations of the Shanghai Swimming Center.

### The Power of rqmicro.COUNT in Action

The rqmicro.COUNT instrument is installed at the Swimming Center. After only a short training, technicians

are able to use cutting-edge technology and perform up to 8 tests at a time on the instrument. The simplicity and fast turnaround time empowers facility managers to make informed decisions promptly.



*Xueying Mao collects the samples for the on-site analysis.*

## Safe Water at All Times

During the Q&A session, Shudong Yuan, CEO of Shanghai Lanpure Water Treatment Co., Ltd. addresses the critical question of what actions will be taken if harmful bacteria or pathogens exceed safe limits. The emphasis is on efficiency in water treatment- a delicate balance between ensuring safety and avoiding unnecessary facility shutdowns.

The solution lies in real-time monitoring with rqmicro.COUNT. In case of contamination, Lanpure adjusts chlorine concentrations and utilizes a specially formulated pulse dosing product. Importantly, this rapid response prevents potential outbreaks, ensuring a cleaner and safer environment for swimmers.

“With rapid detection methods like rqmicro, we are able to find potential risks with early warning, so that we can take actions immediately,” explains Shudong Yuan.

Shudong Yuan underscores the significance of rqmicro.COUNT, expressing his satisfaction with a tool that quantifies bacterial presence. “I think the invention of rqmicro.COUNT solves a big problem in our industry. As a facility manager, I am very happy to learn about rqmicro products and to use it in daily practice,” concludes the CEO of Lanpure. Traditionally, waiting for test results after a treatment can lead to extended facility closures, causing economic losses. With rqmicro.COUNT, Lanpure gains same-day results, allowing for immediate adjustments and ensuring the success of disinfection.



*Performing analysis with the rqmicro.COUNT on-site at the swimming pool.*

## Looking to the Future

Due to the ease of use and portability of the rqmicro.COUNT, Lanpure will also be able to easily conduct tests at other pools. Beyond routine monitoring, Lanpure plans to extend rqmicro.COUNT's application to drinking and shower water within the facility. This proactive approach reinforces the commitment to providing a healthy environment for leisure swimmers and professional athletes who train at the Center.

In conclusion, the Lanpure-rqmicro collaboration marks a significant leap in water safety management. The integration of cutting-edge technology not only ensures the immediate safety of swimmers but also offers a strategic advantage for facility managers in optimizing water treatment processes. As Shanghai Swimming Center sets the standard, we anticipate similar innovations to revolutionize water safety practices across the globe.

## Take Control of Water Microbiology

Monitoring water microbiology with same-date results is vital to maintain water safety, reduce health risks, save energy, and use chemicals sustainably. Here is where rqmicro solutions get on board. Together with facility managers, water treatment engineers and environmental officers, we make water safer.

Would you like to know what is affecting your water systems? Get in touch with us and find out how rqmicro.COUNT can help your business.

[Learn more.](#)

### Sources

The information in this article was provided in the video material produced by the Swimmer Magazine, a digital media certified by the Chinese Swimming Association with Mr. Shudong Yuan, CEO of Lanpure Water Treatment Co.,Ltd. and Ms. Xueying Mao, Chief Representative of rqmicro China Office.