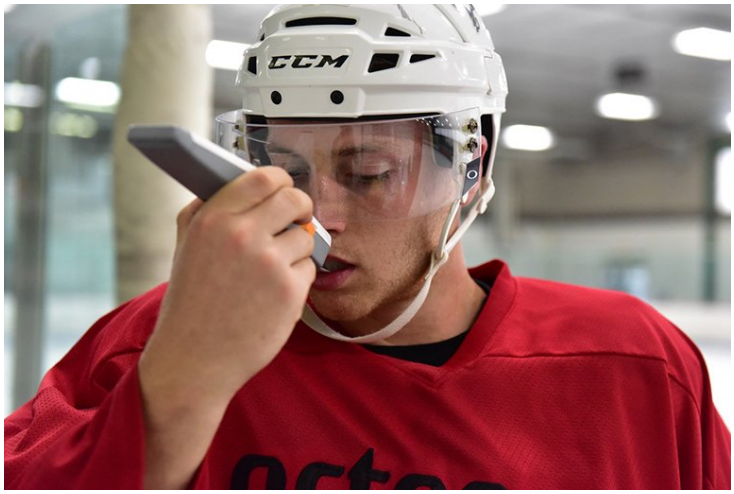
BioSpectrum
the business of Bio & Health Sciences
ASIA EDITION

MX3 Diagnostics announces world's first portable, saliva-based hydration testing system

June 14, 2019 | News

The system uses a handheld digital meter and app to measure and track personal hydration levels.



MX3 Diagnostics Inc. (MX3), a startup that has developed the world's first real-time saliva-based hydration test, has announced the pre-order availability of its flagship portable product, the MX3 Hydration Testing System Pro Version.

The system uses a handheld digital meter and app to measure and track personal hydration levels. It is the world's first point-of-care system using saliva to provide immediate and accurate diagnostic tests for health and fitness.

MX3 is emerging from stealth mode to disrupt the multibillion dollar health monitoring device market with U.S. headquarters in Austin, Texas and offices in Minneapolis, Minnesota and Melbourne, Australia. The company has developed patent-pending technology that enables lab-quality health diagnostics without the complications and costs of a physical lab.

By using saliva — easily accessible and incredibly informative — the MX3 device will let users measure key indicators of health and well being without expensive, invasive lab equipment. This innovative approach eliminates the need for blood prick or urine tests, with results uploaded seamlessly to a mobile device and stored in the cloud, allowing users to manage and track their personal hydration levels anywhere at any time.

"MX3's proprietary system for rapid saliva testing has been proven in multiple studies to be as effective as FDA-approved equipment found in traditional labs," said Michael Luther, co-founder and CEO of MX3 Diagnostics. "We made our first test for hydration because it is so important for health and fitness, but really hard for athletes to reliably assess. What's exciting about saliva is that it is non-invasive and able to measure not just hydration but other markers related to energy levels, work load and recovery, diet and nutrition, sleep and stress, and more."

Optimizing Health and Performance for Professional Sports Teams & Elite Athletes

The MX3 Hydration Testing System is initially for sports and fitness environments, but has applications in health care, consumer wellness and military markets. By reliably assessing hydration status, users can adjust their fluid intake and activity

levels and monitor the effects of hydration over time. With regular use, the MX3 Hydration Testing System identifies the optimal hydration zone for each user, making it easy to maintain proper hydration levels for general health and performance.

“Hydration is essential to performance and although our professional soccer athletes spend hours training and sweating, the industry’s problems with measuring hydration has been a well-known fact for years,” said Dale Reese, Medical and Performance Coordinator for the Swedish World Cup Soccer Team. “MX3 gives us reliable, easy to obtain results that allow us to adjust each player’s hydration status to ensure they are prepared for the demands before and after a match.”

The MX3 Hydration Testing System has been in use since 2018 by athletes worldwide, including the Swedish World Cup soccer team, multiple other professional and NCAA teams and elite endurance runners to track hydration levels and improve athletic performance. The system is currently in trials with the U.S. military, as well as hospitals in Indonesia and China to test pediatric hydration levels in children with chronic conditions.

The MX3 Hydration Testing System kit includes:

- MX3 Lab: The handheld, portable device that makes the measurement.
- MX3 App: The app is available on Apple and Android devices, and stores and tracks hydration data over time, allowing users to personalize their hydration strategy.
- MX3 Portal: The web-based portal allows customers to set up and access their health data via web browser. Designed for teams, trainers, and individuals.
- Test Strip Dispenser: Lightweight and portable dispenser that stores test strips and makes it easy to run multiple tests quickly.
- Test Strips: Disposable single-use test strips use only a microliter of saliva to test for hydration.

MX3 was founded to make it easier for people to measure and manage their personal health. Our revolutionary approach to portable, point-of-care analytics brings lab-grade testing out of the lab and into environments where it’s needed most. With MX3, sports teams, trainers, and athletes can finally manage health factors that help maximize performance, reduce injuries, and speed recovery.