ELECTRONIC MFG. SERVICES (EMS)

LumiraDx Partners with XDry for Dry Storage

By Michael Skinner, Editor

Founded in 2014, LumiraDx is a next-generation point of care (POC) diagnostics company that is transforming community-based healthcare. LumiraDx manufactures and commercializes an innovative diagnostic platform that supports a broad menu of tests with lab-comparable performance at the POC.

LumiraDx diagnostic testing solutions are being deployed by governments and leading healthcare institutions across laboratories, urgent care, physician offices, pharmacies, schools, and workplaces to screen, diagnose, and monitor wellness as well as disease. The company is headquartered in the UK with more than 1,600 employees worldwide.

LumiraDx prides itself on providing simple, accessible, and affordable POC testing. As such, it partners only with other companies with the same dedication to service, flexi-

bility, and quality. XDry is one such company.

"As industry leading innovators, we have developed a state-of-the-art Platform, to deliver high

XDry laboratory dry cabinet.

accuracy diagnostics for community-based healthcare," says Sparks, R&D platform engineer, LumiraDx.

We focus on providing simple, accessible, and affordable POC test-

ing. Partnering with the team at XDry provides us with peace of mind that our raw materials are being kept clean, dry and moisture-free so that we can continue with our mission of improving community-based healthcare."

Humidity Control Cabinets

A leading supplier of humidity-controlled storage cabinets for manufacturing, laboratories and preservation, XDry has more than 15 years of experience manufacturing dry cabinet storage systems. Founder Kevin McCarten was an early pioneer in the design of humidity-controlled storage, also known as auto-electronic desiccator storage cabinets.

The company offers a wide selection of dry storage cabinets to choose from, including storage for printed circuit boards, moisture sensitive devices (MSD), optics, laboratory equipment,

industrial equipment, collectables, media and more. In mid-October 2021, after much consideration, LumiraDx purchased two XDry systems: an XD1-151-02 and an XD2-502-01.

The XD1-151-02 is part of the XDry 151 series dry cabinet that is sized to sit on a laboratory benchtop or to be installed at various points on the electronics assembly production line. Its small footprint and light weight make it virtually portable, allowing an ultra-low humidity (RH) environment to be provided wherever it is required.

XD2-502-01 also is part of the XDry line of competitively priced dry cabinets. The deep cabinet features two large doors that close onto an easily removable and replaceable center bar. This design allows full access to the cabinet interior, providing convenient storage for large or odd-shaped items as well as standard trays or reels. The deep cabinet can be configured with one or two X-133 desiccant dryers, providing storage and desiccating

solutions for both long-term inventory and production environments.

LumiraDx Platform

LumiraDx' platform and tests are designed on the same principles as lab analyzer systems, to deliver accurate results compared to labo-

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XDry's cabinets have a removable center bar for full access to the cabinet interior, providing convenient storage for large and odd-shaped items.

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ratory reference assays across a number of parameters, in a portable, easy-to-use POC solution.

The instrument provides a simple, intuitive user interface that provides step-by-step testing workflow. It weighs only a little over two pounds, uses rechargeable battery or mains power, and is capable of going wherever the patient is located. It integrates several technologies and sample types in a single

Instrument, and offers lab-comparable results in minutes at the POC.

The purpose of the XDry purchase of both cabinets is to keep the raw materials free from small particles and debris while keeping them dry. "We decided to purchase a new version of this original since the original meets the specifications required to keep our material clean and dry," Sparks adds. "Also, it can sit on top of the counter space."

She also said that McCarten explained about the 502 model, which is four times the volume of the 151 unit. So instead of purchasing three 151 units as originally planned, the company was able to purchase one 151 and one 502. The XDry cabinets allow LumiraDx the confidence that its raw materials are being kept clean and dry so that they can run R&D testing confidently and accurately.

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