

RUO molecular platform, 7/15

July 2015—Rheonix showcased in June its Encompass Optimum research-use-only platform at the 115th General Meeting of the American Society for Microbiology.

The Encompass Optimum is an automated system for building and implementing molecular assays as a nonclinical tool. The versatile platform allows users to configure their own testing, control all aspects of assay performance, and create their own sample-to-answer, fully automated, complex molecular assays in an easy-to-use format using the Rheonix Card cartridge. The size of a smartphone, the card cartridge can run several biological samples through a fully integrated molecular analysis with no user intervention—it automatically manipulates the network of microfluidic pumps to move fluids through the channels of the card. The Encompass Optimum can decrease the complexities of creating user-defined testing while increasing efficiency and accuracy. Furthermore, the product's automation, capability for high-throughput and high-complexity assays, and unique sample-to-result system will allow the platform to solve workflow inefficiencies.

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