Akonni Company Fact Sheet

Headquarters:

Akonni Biosystems, Inc.
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Frederick, MD 21701 USA
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Web: www.akonni.com

Employees: 35 full-time and contract

Year Established: 2002

Industry: Molecular Diagnostics, Life Sciences, Biotechnology

Business Strategy: Akonni's approach enables rapid and highly affordable testing for infectious and other human diseases on a gel-drop array platform by incorporating standardized operating procedures and automating multiple manual laboratory processes. The end-to-end system integrates a number of complicated and time-intensive steps, including sample preparation, nucleic acid amplification, detection and reporting, enabling the multiplexed analyses of complex biological samples within a single assay and delivering results in as little as two hours.

Over time, Akonni Biosystems' product line will expand to include a full range of instruments and assays serving the needs of reference and peripheral laboratories and point-of-care settings, such as health clinics and physician offices. We also see the TruDiagnosis® system reaching into other market areas, including the pharmacogenetics and oncology testing markets.

Products: Akonni is focusing on applications where rapid molecular testing is particularly important.. Products in its near-term pipeline include multiplex assays for detecting Multidrug-resistant Tuberculosis (MDR-TB), upper respiratory infections (i.e., Influenza A, RSV, etc.), and hospital acquired infections (i.e., MRSA).

The company's first systems, called TruDiagnosis, are delivered as an integrated system and include;

- TruDx 1000™ bench-top instrument for identifying results using optical methods.
- TruSpot™ v1.0 software for analyzing images and generating reports.
- TruArray® assays/panels for identifying the presence of pathogens using a multiplexed DNA based approach.
- TruArray® AB assays/panels for identifying the presence of pathogens using an antibody based approach.
- TruTip™ sample preparation methodology for extracting DNA or RNA from clinical volume samples in less than 5 minutes.

- 3-slide TruArray™ Hybridization Oven 100

- 24-well Piko® Thermal Cycler from Finnzymes, Inc.

Business Alliances

Argonne National Laboratories, Calspan UB Research Center (CUBRC), US Centers for Disease Control, Gene Express, Columbia University, Wadsworth Center.

Management Team:

Charles Daitch Ph.D. – CEO, President and Founder
Kevin Banks Ph.D. – Vice President Marketing and Sales
Phil Belgrader Ph.D. – Vice President Research and Development
Eric Black Ph.D. – Vice President Manufacturing
Darrell Chandler Ph.D. – Chief Science Officer
Jon Davis – Vice President Operations
Jennifer Reynolds Ph.D. – Vice President Applied Technology
George Rudy M.D., Ph.D. – Chief Medical Officer