

News Release

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MilliporeSigma Advances Water Purification Systems with New High-Throughput Line

- **Elix® High-Throughput water purification system delivers up to 9000 liters of pure water daily with real-time monitoring**
- **Purification technologies ensure constant water quality with low and predictable running costs**

Billerica, Massachusetts, July 13, 2016 — [MilliporeSigma](#) today introduced the Elix® High-Throughput water purification system, providing laboratories with a reliable water purification solution for daily water volumes of up to 9000 liters. Designed to operate at the heart of a central water purification solution, the Elix® High-Throughput system offers full connectivity, providing authorized users real-time remote monitoring via computer, tablet or smartphone with access to all important water quality data.

"MilliporeSigma is committed to improving laboratory workflows with innovative products like our Elix® line of water purification systems that integrate seamlessly with existing systems and require little maintenance," said Theresa S. Creasey, Head of Strategy, Marketing and Innovation at MilliporeSigma. "Our systems are also designed to decrease energy and water consumption, without sacrificing water quality or ease of use."

The Elix® High-Throughput system incorporates technologies consistent in delivering optimum quality, analytical-grade water for use in regular laboratory applications and instrument feeds. The system combines MilliporeSigma's Elix® electrodeionization technology with advanced purification, including Progard® pretreatment cartridges, reverse osmosis and bactericidal UV lamp treatment. The new models include MilliporeSigma's E.R.A.™ (Evolutive Reject

Page 1 of 2



News Release

Adjustment) technology, which automatically optimizes water recovery and reduces water usage costs by taking feed water quality into account. The system can also be linked to a Laboratory Information Management System or Building Management System for enhanced efficiency and productivity.

The Elix[®] High-Throughput system's easy-to-use communications interface displays all of the details needed for daily operation. A large color touch screen features storage level and dispensing information, water production and the status of system consumables, including step-by-step instructions from a system wizard for effortless replacement.

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About the Life Science Business of Merck KGaA, Darmstadt, Germany

The life science business of Merck KGaA, Darmstadt, Germany, which operates as MilliporeSigma in the U.S. and Canada, has 19,000 employees and 65 manufacturing sites worldwide, with a portfolio of more than 300,000 products enabling scientific discovery. Udit Batra is the global chief executive officer of MilliporeSigma.

Merck KGaA, Darmstadt, Germany completed its \$17 billion acquisition of Sigma-Aldrich in November 2015, creating a leader in the \$125 billion global life science industry.

Merck KGaA of Darmstadt, Germany is a leading company for innovative and top-quality high-tech products in healthcare, life science and performance materials. The company has six businesses – Biopharmaceuticals, Consumer Health, Allergopharma, Biosimilars, Life Science and Performance Materials – and generated sales of € 12.85 billion in 2015. Around 50,000 employees work in 66 countries to improve the quality of life for patients, to foster the success of customers and to help meet global challenges.

Merck KGaA, Darmstadt, Germany is the world's oldest pharmaceutical and chemical company – since 1668, the company has stood for innovation, business success and responsible entrepreneurship. Holding an approximately 70 percent interest, the founding family remains the majority owner of the company to this day. The company holds the global rights to the name and the trademark "Merck" internationally except for the United States and Canada, where the company operates as EMD Serono, MilliporeSigma and EMD performance materials.