

May 29, 2018

MilliporeSigma Announces Collaboration with Solvias for New Pyrogen Detection Kit

- **Only cell-line-based Monocyte Activation Test (MAT) kit on the market**
- **Detects broad spectrum of pyrogens and offers high reproducibility, sensitivity**
- **Eliminates the need for live animal testing**

Burlington, Massachusetts, May 29, 2018 – [MilliporeSigma](#) today announced a collaboration with Solvias, a Swiss contract research and service provider, to offer the [PyroMAT™ System](#), a new MAT kit for pyrogen detection. The kit, which joins other products in MilliporeSigma's Pyrogen Detection portfolio, was developed collaboratively by the companies.

Because pyrogen contaminations in pharmaceutical products, biotherapeutics and medical devices can induce life-threatening fevers, manufacturers must ensure that pyrogen concentrations do not exceed certain limits. The new PyroMAT™ System, the only cell-line-based MAT kit on the market, detects the full range of pyrogens in pharmaceutical raw materials and products.

"Our new PyroMAT™ System has many advantages over existing methods, which are often limited in the products and range of pyrogens that can be detected," said Jean-Charles Wirth, Head of Applied Solutions at MilliporeSigma. "This system offers a high-quality, ready-to-use *in vitro* method that does not require live animal testing and detects the broad spectrum of pyrogens."



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The new kit eliminates the laboratory work required to maintain the cell line, and the cells are qualified in terms of performance and shipment.

“We are pleased that our collaboration with MilliporeSigma to distribute the cell-based test is now coming to fruition,” said Karen Huebscher, CEO, Solvias. “The new PyroMAT™ System has significant potential through distinct advantages over current methods of testing for pyrogens. It produces results that are both reliable and reproducible, characteristics that are essential for quality assurance.”

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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 20,000 employees and 60 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, Darmstadt, Germany is a leading company for innovative and top-quality high-tech products in healthcare, life science and performance materials. The company has five businesses – Biopharmaceuticals, Consumer Health, Allergopharma, Life Science and Performance Materials – and generated sales of €15.3 billion in 2017. Almost 53,000 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.

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