

## News Release

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## MilliporeSigma to Become First Provider to Offer Fully Integrated mRNA Services

- **New sites at Darmstadt and Hamburg complement company's global integrated mRNA service network with pre-clinical to commercial capabilities**
- **Company's Millipore® CTDMO Services now encompass all key stages of mRNA technologies, lipids, lipid nanoparticles (LNP) and fill/finish, including key products and biosafety testing**
- **Expansion part of company's ongoing € 1 billion investment plan to advance mRNA technologies**

Burlington, Massachusetts, September 26, 2023 – MilliporeSigma, the U.S. and Canada Life Science business of Merck KGaA, Darmstadt, Germany, is the first CTDMO (contract testing, development and manufacturing organization) to offer integrated services for all critical stages of mRNA development, manufacturing, and commercialization, including products and testing. The company today opened two new GMP-grade mRNA drug substance manufacturing sites in Darmstadt and Hamburg, Germany.

"mRNA has emerged as the breakthrough technology of this century, providing great promise to not only treat, but potentially cure, a wide array of diseases such as cancer, heart disease, and muscular dystrophy," said Dirk Lange, Head of Life Science Services, Life Science business sector of Merck KGaA, Darmstadt, Germany. "We are now the first CTDMO to streamline the entire mRNA process for our clients."

The new sites are part of the company's ongoing € 1 billion investment to advance mRNA technologies and build its global mRNA network and capabilities, as well as



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through acquisitions such as [AmpTec](#) and [Exelead](#). The € 28 million investment into the new GMP mRNA drug substance manufacturing sites at Darmstadt and Hamburg adds a total of 75 new jobs, providing clients mRNA services at all scales and applications from pre-clinical to commercial. This includes analytical development and biosafety testing specifically designed for mRNA technologies. MilliporeSigma also offers differentiated PCR-based technology for clinical and commercial mRNA manufacturing, providing clients with high-quality mRNA. With this integrated offering, the company can significantly decrease complexities through streamlined and harmonized processes and enhance clients' speed-to-market.

Since the 1990s, the Life Science business of Merck KGaA, Darmstadt, Germany has collaborated with researchers to ensure they have the critical components and raw materials needed to explore mRNA's potential. Its unique combination of mRNA expertise, technologies, regulatory knowledge, and product portfolios streamlines mRNA manufacturing and testing. The company's mRNA, custom and portfolio lipids, LNP and fill/finish CTDMO services are offered throughout its global network of sites in Schaffhausen, Switzerland; Indianapolis, Indiana, USA and Darmstadt and Hamburg, Germany.

"As a researcher working on finding cures with mRNA technology and as a believer in its curative promise, collaborating with the Life Science business of Merck KGaA, Darmstadt, Germany has helped to advance my research in finding a cure by leveraging mRNA's promise for muscular dystrophy," said Dr. Simone Spuler, head of the Myology Lab at the Experimental and Clinical Research Center (ECRC), a joint institution of the Max Delbrück Center for Molecular Medicine in the Helmholtz Association and Charité - Universitätsmedizin Berlin.

The company's Millipore® CTDMO Services also provide pre-clinical through commercial capabilities for monoclonal antibodies and recombinant proteins (mAb and r-proteins), viral vectors (VV), small molecules and high-potent active pharmaceutical ingredients (HPAPI), antibody-drug conjugates (ADCs) as well as integrated analytical development, biosafety testing, and product characterization.

Millipore® CTDMO Services are part of the Life Science Services business unit, which together with the Process Solutions business is one of Merck KGaA, Darmstadt,

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Germany's "Big 3" growth drivers. Merck KGaA, Darmstadt, Germany aims to increase its Group sales to approximately € 25 billion by 2025. Around 80% of the planned sales growth is to come from the "Big 3" growth drivers.

### **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 more than 28,000 employees and more than 55 total manufacturing and testing sites worldwide, with a portfolio of more than 300,000 products focused on scientific discovery, biomanufacturing and testing services. Merck KGaA, Darmstadt, Germany, a leading science and technology company, operates across healthcare, life science and electronics.

More than 64,000 employees work to make a positive difference to millions of people's lives every day by creating more joyful and sustainable ways to live. From providing products and services that accelerate drug development and manufacturing as well as discovering unique ways to treat the most challenging diseases to enabling the intelligence of devices – the company is everywhere. In 2022, Merck KGaA, Darmstadt, Germany, generated sales of € 22.2 billion in 66 countries.

The company holds the global rights to the name and trademark "Merck" internationally. The only exceptions are the United States and Canada, where the business sectors of Merck KGaA, Darmstadt, Germany, operate as MilliporeSigma in life science, EMD Serono in healthcare and EMD Electronics in electronics. Since its founding in 1668, scientific exploration and responsible entrepreneurship have been key to the company's technological and scientific advances. To this day, the founding family remains the majority owner of the publicly listed company. For more information about Merck KGaA, Darmstadt, Germany, visit [www.emdgroup.com](http://www.emdgroup.com).

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