

Press Release

First CO₂ incubator shaker on the market with integrated 180 °C sterilization routine

Hamburg, September 2024

Expression of complex recombinant proteins, the production of viral vectors in mammalian cells, or the production of bioreactor starter cultures is primarily done in shake flask cultures inside CO₂ incubator shakers. A major risk factor for reliable budget- and time-planning of these projects is contamination, especially with viruses or Mycoplasma.

“Our new CellXpert® CS220 was developed specifically to speed up mammalian shake flask culture projects and to meet the industry’s increasing need for higher contamination prevention standards.” says Maria Mattern, responsible for innovations of the Eppendorf’s shaker and CO₂ incubator portfolio. “

“Most, if not all current CO₂ incubator shakers in the market are microbiological shakers with optional CO₂ control. This is also reflected in the low level of cleanability and missing sterilization functions of these devices, as contamination is usually not a major issue in microbiological applications,” says Mattern.

Produced in Hamburg, Germany, the CellXpert CS220 is the first shaker to apply the established contamination protection standards of CO₂ incubator-based cell cultivation—180 °C sterilization. In addition, the device expedites disinfection by having no drive wheel, cover sheets, cables, or heating fins inside the stainless-steel chamber. The CellXpert CS220 also features up to 40% higher flask capacity and the highest platform size to footprint ratio in the market.

“We are happy to welcome the new member of our CellXpert family and to expand our successful cell culture portfolio including CO₂ incubators, shakers, high-speed centrifuges, and bioprocess equipment.”, says Mattern.

www.eppendorf.link/accelerate-your-growth

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About Eppendorf Group

Eppendorf is an international leader in the life science industry, developing, producing and distributing equipment, consumables and services that are used in laboratories around the world.

The product portfolio of the divisions Liquid Handling, Consumables, Separation & Instrumentation and Bioprocess includes pipettes, pipette tips, centrifuges, mixers, ULT freezers and bioreactors for cell and gene research. Furthermore, Eppendorf offers a wide range of high-quality consumables. Eppendorf Group reported a total sales figure of 1.08 billion euros for the financial year 2023 while their research and development (R&D) investments amounted to 69 million euros.

Eppendorf products are used in academic and industrial research laboratories, for example in pharmaceutical, biotech, chemical and food companies. Other fields of application for Eppendorf products include clinical and environmental analytical laboratories, forensics and industrial laboratories for process analysis, production and quality assurance.

Eppendorf Group is headquartered in Hamburg, Germany, since 1945 and has production facilities and R&D sites in Europe, Asia and North America. The Group's subsidiaries are spread across 33 countries. Today, the Group has more than 5,000 employees around the world. In their everyday work, all of these employees have one and the same mission, proclaimed by the company's founder: Improving human living conditions.

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