BioSpectrum
the business of Bio & Health Sciences
ASIA EDITION

Problem-solving in upstream bioprocessing

August 22, 2023 | News

Find information about upstream bioprocess development for cell and gene therapy applications on Eppendorf's website!



The field of cell and gene therapies is a new and emerging category of seeking methods to cure diseases by restoring or reconditioning cells or genes. Research and development in this field are vastly expanding and nowadays, progressively more cell and gene therapy applications are making its way through R&D towards clinical trials and beyond. Eppendorf Bioprocess supports you in evolving a scientific concept to the development of novel therapies.

The bioprocess expert partner for cell and gene therapy development

The Eppendorf Bioprocess Unit builds on decades of experience in upstream bioprocessing; for more than ten years Eppendorf is committed to contribute to the advancement of stem cell cultivation in stirred-tank bioreactors. Discover our “Cell and Gene Therapy Development” website, where we share the knowledge and experience of our application experts as well as of some of our customers, and present our bioprocess solutions.

Developing powerful upstream bioprocesses

Research and development for cell and gene therapy applications require large numbers of high-quality cells. Stirred-tank bioreactors facilitate efficient cell expansion when conventional 2D-culture systems reach their limits.

Find expert advice on how to

- *Scale-up efficiently*
- *Reproduce culture results*
- *Shorten time to market*
- *Free up scientists time*

Find out how stirred-tank bioreactors reduce manual labor when handling large cultures, simplify scale-up, and like this facilitate efficient cell expansion. Learn, how bioprocess control software enables you to precisely monitor and control the cells' growth environment and like this reproduce culture results. Discover how parallel bioprocess control systems facilitate process development in a time- and resource-saving manner, and see, how the automation of culture feeding and parameter control can reduce the working time spent on a running process.

Stem cells, exosomes, viral vectors

The scalability, robustness, quality, and cost-effectiveness of cell culture processes are key to success when translating basic research to the development of commercially viable cell and gene therapies. On our website you will find expert advice on stem cell bioprocessing, the large-scale production of exosomes, and developing bioprocesses for the production of viral vectors. Discover also, how our product solutions help you to accelerate bioprocess development.

Join the stem cell community

Did you know that Eppendorf is hosting a cell therapy-related event on November 21? Become a part of the stem cell community by visiting the Stem Cell Community Day in Leiden, the Netherlands or take part online to stay flexible in time and place.

- *Connect with researchers from academia and industry:* exchange knowledge on recent advances, new technologies and workflows working with stem cells
- *Take part in exciting activities organized by Eppendorf:* take part in a workshop on stem cell cultivation in stirred tank bioreactors, speaker-presentations from experts and a poster session, where you can even win a prize
- *Get insight expertise:* our internal, as well as external speakers will present you interesting insights into different cell therapy topics, all related to products, workflow, research and industry.

Visit website