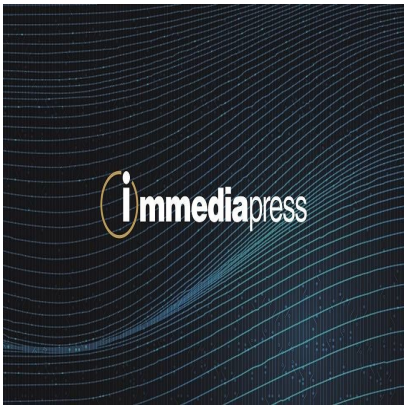

StÃ¤mm Redefines Biomanufacturing With a Bubble-Free, High-Throughput Bioprocessor Built for Decentralized Production

Descrizione

COMUNICATO STAMPA â?? CONTENUTO PROMOZIONALE

New platform eliminates hydrodynamic shear stress and scales isometrically from 50 mL to 250 mL, targeting a reduction in CAPEX and media costs.

SAN FRANCISCO, March 12, 2026 /PRNewswire/ â?? StÃ¤mm launched the High-Throughput Bioprocessor (HTB), an automated, single-use biomanufacturing platform for adherent and suspension cells. The HTB is engineered to eliminate the infrastructure constraints that slow research and development, and future versions aim to accelerate the development process of biologics and cell & gene therapies. Easy to use and designed for deployment anywhere in the world, the HTB targets the widening gap between biological discovery and the scalable development of advanced therapies.

At the core of the HTB is the Bubble-Free Bioreactor (BFB), a customizable, 3D-printed consumable that eliminates the need for the conventional impeller. Without sparging, bubbling, or antifoam agents, the system achieves nutrient transport and gas exchange through laminar flow, a mechanism modeled on capillary networks found in living tissue. This architecture eliminates turbulence and hydrodynamic shear stress, which damages sensitive cell populations in stirred-tank systems. The HTB supports continuous perfusion, integrated formulation for applications such as adherent cell differentiation, and automated counter-sedimentation for suspension cultures.

â??Biomanufacturing has been constrained by equipment designed for a centralized, high-volume world that no longer reflects where medicine is going,â?• said Yuyo Llamazares, StÃ¤mmâ??s CEO. â??Our vision in creating the HTB is that no patient in Alaska, SÃ£o Paulo, or Nairobi should have to wait for therapy due to the limitations of centralized infrastructure. We developed this technology to bridge the logistical gap between scientific discovery and the future availability of more accessible treatments.â?•

The global cell and gene therapy manufacturing market faces a well-documented bottleneck: production infrastructure remains centralized and capital-intensive. It is ill-suited to the personalized, small-batch

nature of advanced therapies. The HTBâ??s modular, plug-and-play architecture directly addresses this pain point. By replacing stainless-steel vessels with snap-in cartridges, StÃ¤mm positions the platform to compress development timelines, reduce facility overhead, and extend manufacturing reach to underserved geographies. This reduces development costs per patient for rare diseases and cell therapies.

The HTB is available now for process development within Research Use Only (RUO) applications. Pharma and biotech teams evaluating StÃ¤mmâ??s technologies for pre-clinical production, CAR-T, stem cell expansion, or monoclonal antibody workflows should contact StÃ¤mm directly at www.stamm.bio. A full technical data review is forthcoming; early access partnerships are limited.

Video â?? https://www.youtube.com/watch?v=QuVRVQ3TBi4 Logo â?? https://mma.prnewswire.com/media/2932172/Stamm_Logo_Logo.jpg

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