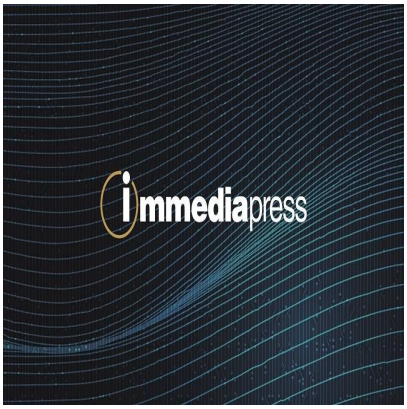


ABEC Launches ATBâ?¢-2100 Platform to Transform Advanced Therapy Manufacturing

Descrizione

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BETHLEHEM, Pa., Nov. 5, 2026 /PRNewswire/ â?? ABEC, a global leader in engineered solutions and services for biopharmaceutical manufacturing, today announced the commercial launch of the ATBâ?¢-2100 Advanced Therapy Bioreactor, a breakthrough single-use cell expansion technology designed to address the cell and gene therapy industryâ??s growing need for scalable, reproducible, and automated manufacturing.

The ATBâ?¢-2100 represents a new approach to advanced therapy processing, combining unprecedented process control and scalability in a fully-closed and automated platform that supports cell expansion from preclinical development through commercial manufacturing. Designed for the most difficult cell and gene therapy applications, the platform has successfully demonstrated the expansion of T-cells, induced pluripotent stem cells (iPSCs), mesenchymal stem cells (MSCs), and other emerging modalities.

At the core of the ATBâ?¢-2100 is ABECâ??s proprietary network of hollow-fiber perfusion membranes, which continuously deliver nutrients and gases throughout the culture environment while removing metabolic waste. The system emulates the human circulatory system with a diffusion-based, low-shear environment that is ideal for cell growth. Exceptionally high cell densities and viabilities are achieved because cells are not exposed to the stresses commonly associated with other platforms.

Unlike other cell expansion technologies that require process redevelopment during scale-up, the ATBâ?¢ platform maintains a consistent membrane surface-area-to-volume ratio across bioreactor volumes from 200mL to 10L, enabling direct translation of process conditions from early-stage development through commercial production. This unique scalability significantly reduces development timelines, minimizes risk during technology transfer, and reduces time to market.

â??Cell and gene therapies continue to face significant development and manufacturing challenges that limit scalability, increase costs, and slow commercialization,â?• said Scott Pickering, Chief Executive Officer of ABEC. â??The ATBâ?¢-2100 overcomes these barriers and represents another industry-changing advancement pioneered by ABEC.â?•

For more information about the ATBâ?¢-2100 Advanced Therapy Bioreactor Platform, visit www.abec.com or contact info@abec.com.

About ABEC

ABEC is a leading global provider of engineered solutions and services for biopharmaceutical manufacturing. With more than 50 years of innovation, ABEC combines bioprocess equipment expertise, engineering, manufacturing, automation, and services to support the development and commercialization of life-changing therapies. From R&D through commercial implementation and lifecycle support, ABEC delivers innovative solutions that enhance productivity, accelerate time to market, and reduce overall cost to enable manufacturing success around the world.

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