

Pluri launches PluriMatrix to empower cellular food-tech, agri-tech operations

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Pluri Inc., a leading biotech company that transforms cells into solutions that promote wellbeing and sustainability, has unveiled a breakthrough in cell manufacturing that potentially solves one of the biggest hurdles facing cell-based industries: cost-effective, industrial scale cell manufacturing.

PluriMatrix, built upon Pluri's platform 3D cell expansion technology, significantly scales high-quality cell production, potentially having a catalytic impact across numerous industries that require mass-scale cell production including pharma, biologics, foodtech, agri-tech, and beyond. The patented technology offers Pluri and its subsidiaries unparalleled advantages in developing and producing cell-based products.

PluriMatrix draws on the unique expertise in cell-based manufacturing that Pluri has developed over the last two decades. It enables industrial scale production of cell-based products by using a packed-bed system design in which cells expand as tissue on scaffolds, increasing surface area and providing a uniquely effective growth environment.

Cells can either be harvested as single cells or used along with the scaffolds as completed tissue. The system also enables the simultaneous expansion of various cell types within the same platform, giving each cell type its own growth space. PluriMatrix's state-of-the-art mass scale, highly scalable, modular cell production system enables a smaller infrastructure by reducing the size of the manufacturing facility compared to other existing methods, significantly reducing cost and ecological footprint.

Pluri's majority-owned subsidiary Ever After Foods, a joint venture with Tnuva Group, Israel's largest food producer, is using PluriMatrix to produce cultivated meat and expects a 700% increase in productivity over other cultivated meat technology platforms.

Pluri CEO and President, Yaky Yanay says "We've evolved our original healthcare-focused technology to potentially serve a multitude of other industries where efficient, cost-effective, industrial-scale cell production will be a core competitive advantage. PluriMatrix unlocks tremendous value and expect to capitalize on it in conjunction with industry-specific subsidiaries and strategic partners."