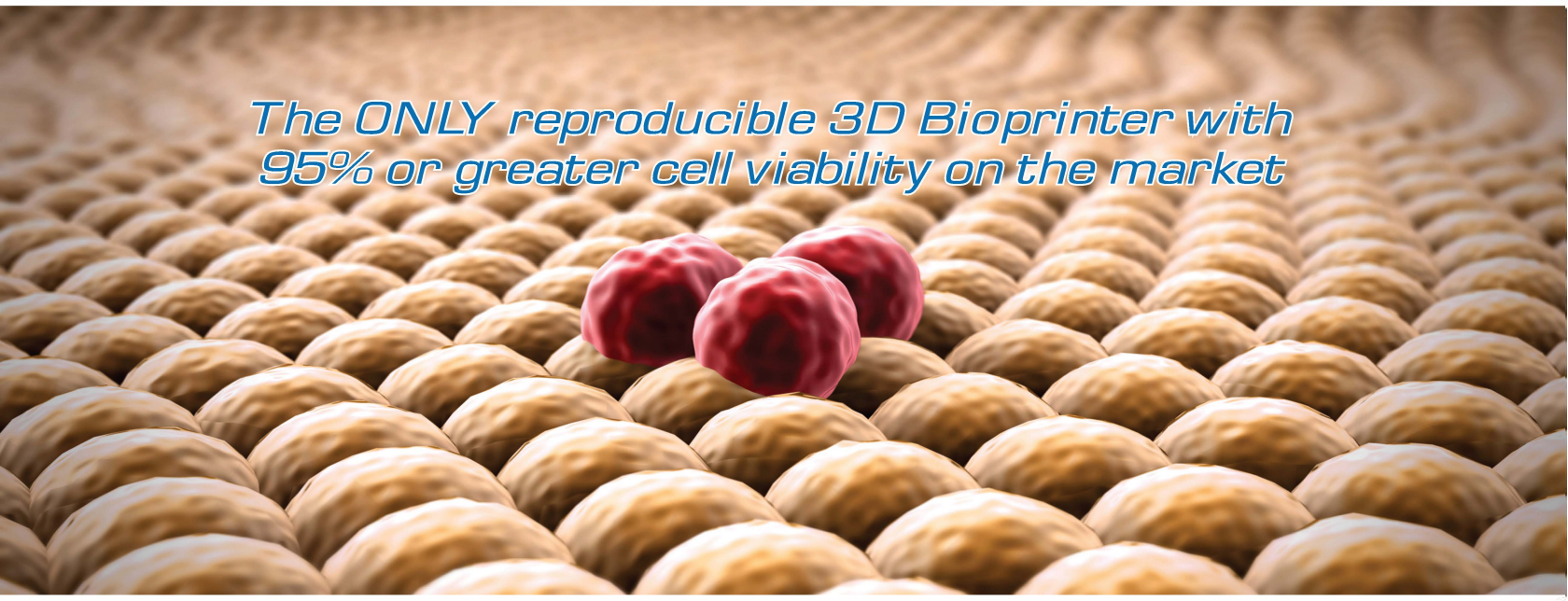
CELLJET



FLEXIBLE LIVE CELL PRINTING FOR MANY APPLICATIONS

The CellJet Cell Printer incorporates Digilab's proprietary liquid dispensing technology, offering both on-the-fly and drop-by-drop non-contact cell printing, while maintaining the viability of even the most delicate cells. The CellJet Printer meets the needs of all live cell printing for customizable live cell arrays, tissue engineering biofabrication/bioprinting research and other applications

- Precise, rapid, reliable, & reproducible biocompatible printing with 95% cell viability or geater
- Contamination-free, proprietary 'on-the-fly' or 'drop-by-drop', non-contact cell printing
- Full height & speed dispensing control; critical for 3D printing of viscous solutions & fragile cells
- Capable of 16 different indepentently programmed channel pumps dispensing different solutions
- Prints live-cells, reagents, or samples containing cells to all standard microtitre well plates (6 to 1536-well plates); customized, pre-fab substrates or analysis platforms, e.g. Biochips

Why should you settle for less with your research investment?

Contact your Regional Representative today!

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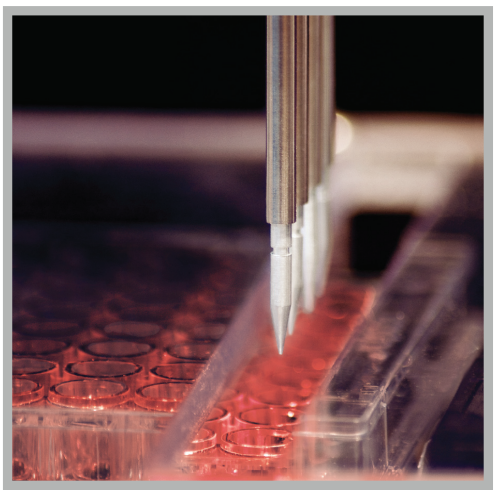
CELLJET

A SOLUTION TO MEET APPLICATION DEMANDS

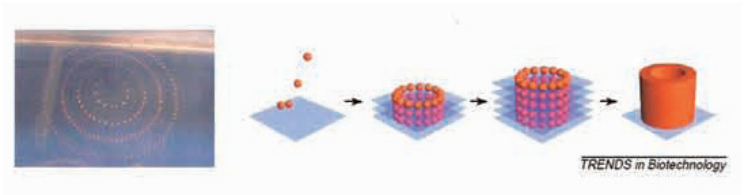
In this era of ever increasing demand for live cell printing to create customizable live cell arrays, tissue engineering biofabrication/bioprinting research and other applications, Digilab offers the CellJet Cell Printer. The CellJet Cell Printer incorporates Digilab's proprietary liquid dispensing technology, offering both on-the-fly & drop-by-drop non-contact cell printing while maintaining the viability of even the most delicate cells.

CellJet Features & Benefits

- Cell types that have been successfully printed with CellJet & retained >95% viability include: Human/Mouse embryonic stem cells, human mesenchymal stem cells, human/rat muscle stem cells, human/mouse fibroblasts, human hepatocytes etc
- Systems can be configured for a wide range of applications: 1 - Channel for simple cell printing, 2,4,or 8 channel for multiple cell types or cell and reagent, supporting multiplex assays without cross contamination
- Larger plate & deck formats are available to support high-throughput applications/robotic integration
- Full control of dispense height and dispensing speed, offering easy optimization, improved performance of 2D & 3D bioprinting
- Choice of drop-by-drop or on-the-fly non-contact; dispensing modes for superior performance & increased throughput
- System dispenses a full range of cell types, from robust to delicate
- Able to dispense fluid types from low viscosity solvent to high viscous solutions
- The CellJet includes a cover over each plate, which creates a micro-environment to prevent contamination & evaporation; the cover is removable for easy cleaning & sterilization
- The CellJet can fit into most standard tissue culture hood or can be purchased with an enclosed chamber with optional humidity control
- Flexible, easy-to-use software offers productivity to multiple users with minimal training



Live Cell Printing



- Live Cell Dispensing - mammalian, bacterial & other cells
- Embryonic Stem Cells with >95% viability
- Viscous Solutions - Protein/DNA suspensions, Hydrogels
- Layering in 2D → Structure in 3D
- Print Functional Tissue - Biofabrication

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