

## PRODUCT FEATURE

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# Flexible, Affordable & Reliable 3D Cell Culture Chips

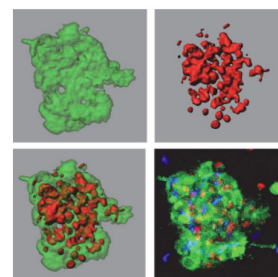
Unbeatable ease-of-use 3D cell culture chips with NO specialized media or extraneous equipment

## Why would you recommend Aim Biotech 3D Cell Culture Chips?

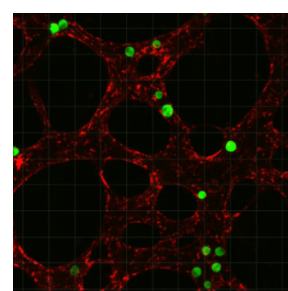
- **Flexible:** pilot-scale to high-throughput
- **Cost effective:** Save cost with minimal media, cells and polymerisable gels including collagen, fibrinogen, Matrigel with no instrumentation budgets
- **Easy-workflow:** real-time analysis with NO extraneous equipment
- **Predictive:** Physiological relevant mimicking native tissue microenvironment
- **Broad applications:** 2D, 3D & Co-culture model, Static or dynamic flow models, Cell migration & chemotaxis, Immunotherapy and T-cells efficiency, Cancer metastasis, Spheroid dispersion, Angiogenesis & Vasculogenesis, Blood Brain Barrier
- **Wide variety of cell types:** stem cells, primary cells, and co-cultures
- **Exceptional microscopic compatibility:** capable with imaging and other downstream analysis

## Key Features

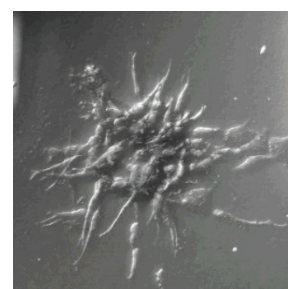
- Specialized microfluidic device for performing multicellular 3D cell culture in discrete 3D and 2D compartments under physiological conditions
- Versatile platform that are suitable for accommodating various cell types & hydrogels with low risk of leakage
- Gas permeable laminate for effective gas exchange.
- Control over chemical gradients and flow across the gel region and/or within the media channels
- Rapid media exchange through vacuum aspiration with no risk of over-aspiration
- Consistent distribution of cells throughout the entire channel
- Designed for wide range of imaging modalities and downstream analysis
- Easy scale-up and compatible with laboratory automation / robotic fluid handling



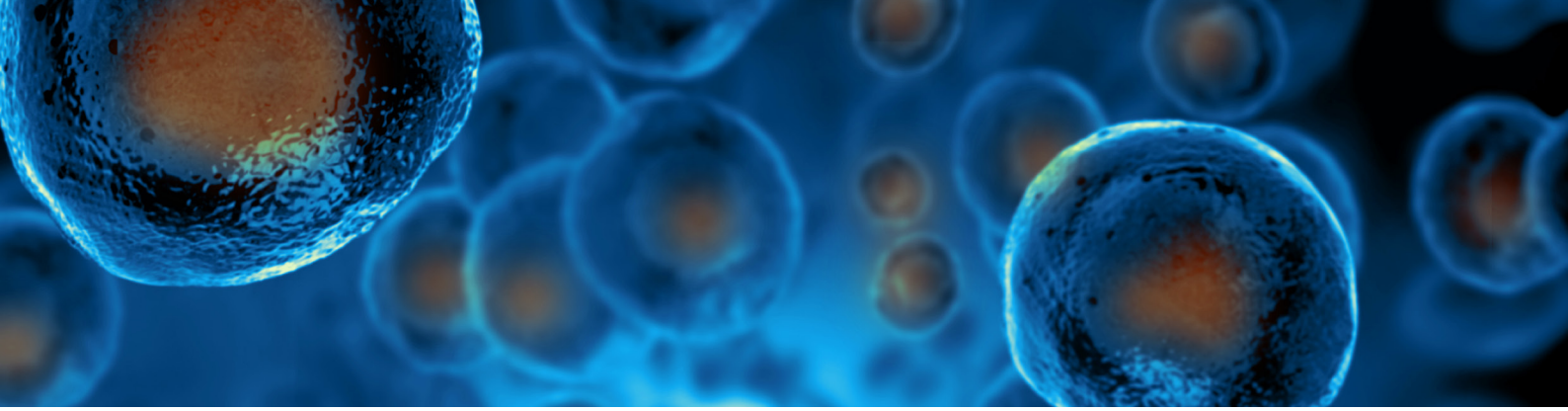
Immune Cell-Mediated Killing



Cancer Cell Extravasation

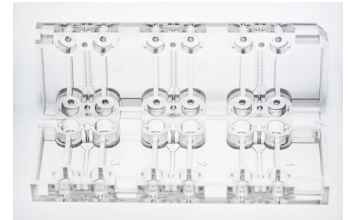


Cancer Spheroid Dispersion



### idenTx 3 Chip **AIM#DAX-1, 25 pcs/box**

This is AIM Biotech's proven 3D Cell Culture Chip, now part of the idenTx family. Designed in a microscope slide format, this most basic component of the idenTx family enables 3 simultaneous experiments. It is ideal for establishing experimental feasibility or for general low-throughput applications.



### idenTx 9 Chip **AIM#IDTX9, 8 pcs/box**

Built to enable rapid scale up to higher throughput drug screening models, the idenTx 9 Plate replaces the capacity of three individual idenTx 3 Chips, now fully integrated into a standard SBS plate format that enables 9 simultaneous experiments on a single plate.



### idenTx 40 Chip **AIM#IDTX40, 5pcs/box**

Harness AIM's sophisticated organ on a chip technology and unbeatable ease-of-use, now in a standard SBS plate format that enables 40 simultaneous experiments on a single plate. The idenTx 40 Plate is all about increasing throughput for critical drug discovery assays that require accurate recreation of human microphysiology, all while working seamlessly with the downstream analytical instruments you already have.



### idenTx Holder, Gen 2 **AIM#HOL-2, 10 pcs/box**

An improved Chip Holder that enhances user handling experiences and expands the imaging options for AIM chips. This is a sterile, single use, stackable holder that can fit up to three AIM Chips in three slots.



### Luer Connectors with Inlet Seals **AIM#LUC-1, 36 pcs/box**

Provided with 1 sheet of 20 pre-cut Inlet Seals to seal the gel inlets after gel has been filled. This prevents leakage of cell culture media through porous gel & out through the gel inlets.



### Cooling Block **AIM#CBLK, 1 pc/pack**

For more information, contact Fisher Scientific

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and experimental designs

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