

INNOVATE

COLLABORATE

IBIDI PUMP SYSTEM - FOR THE CULTIVATION OF CELLS UNDER FLOW

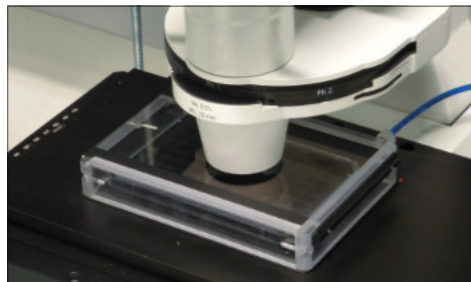
The ibidi Pump System consists of two main components: The Pump (PC controlled air pump) and the Fluidic Unit (closed system containing media). By using this "split" approach, the closed circulation of the medium can be assembled separately in the laminar flow hood and transferred to the microscope or the incubator, without compromising the sterility of the system.



IBIDI STAGE TOP INCUBATOR - EASY LIVE CELL IMAGING ON EVERY INVERTED MICROSCOPE

The ibidi Stage Top Incubation Systems are available for one slide/dish or 4 μ -slides (Universal Fit) and for multiwell plates (K-Frame).

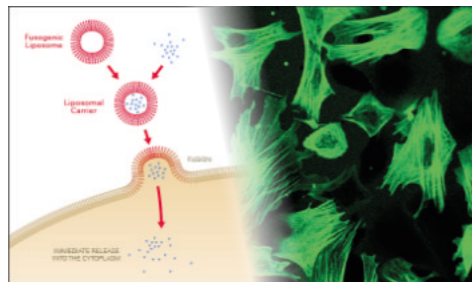
They allow for the accurate and reliable control of temperature, CO₂ and O₂ concentration, and relative humidity during short-term and long-term live cell imaging assays on any inverted microscope.



FUSE-IT MEMBRANE FUSION TRANSFECTION FOR MRNA, siRNA AND PROTEIN

The Fuse-It membrane fusion product line enables efficient transfection of mRNA, siRNA, and protein into eukaryotic cells with high biocompatibility, retaining viability even in sensitive and difficult-to-transfect cells.

Membrane fusion is a novel and highly superior transfection method to incorporate various molecules and particles into mammalian cells. Not only cells that undergo cell division, but also primary and non-dividing cells can be transfected.



Thistle Scientific Ltd is a leading supplier of Life Science Laboratory consumables and equipment, with a focus on Live Cell Imaging products.

We work with innovative manufacturers from around the world including Ibidi GMBH, Phi AB, abc biopply ag and more. Together we aim to provide solutions for research in all areas of the Biomedical and Life Sciences with a wide portfolio of products to improve and expand your Live Cell Imaging experiments.

Our sales team covers all corners on the UK and together with our manufacturing partners we can advise on and implement our solutions in your laboratory. From simple projects such as testing a new imaging dish, to setting up a complete imaging workflow, we can help. We have offices in Glasgow, Crewe and Warwickshire, so you're never too far for us to reach. If you need a product demonstration or would like to find out more, just contact us and one of our team will be more than happy to meet to see how we can work together.

All of the products in this brochure are available to purchase through our offices via purchase order, or online through our website. Many of our products are also available on University procurement platforms to simplify purchasing. If you need any help with a purchase, just contact our office team using the details below.

Where customer care comes naturally...



01698 338 844



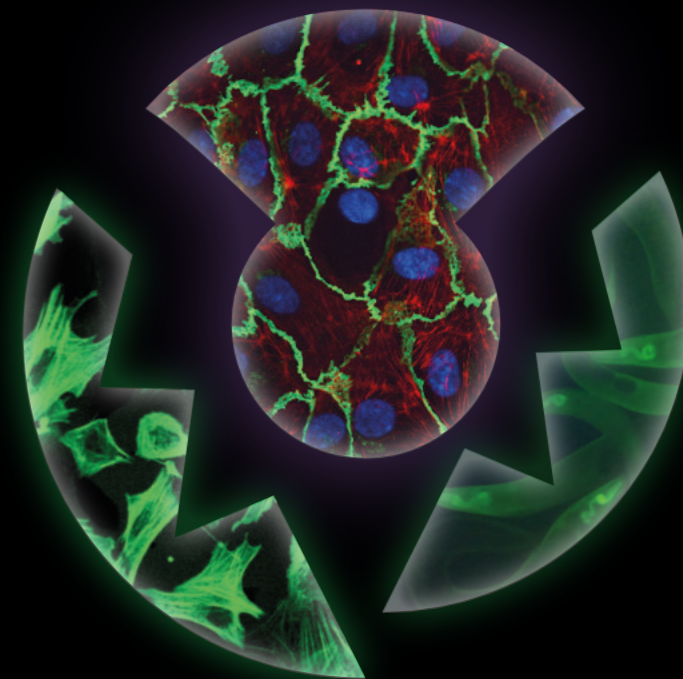
enquiries@thistlescientific.co.uk



thistlescientific.co.uk



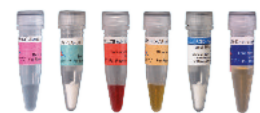
DFDS House, Goldie Road,
Uddingston, Glasgow, G71
6PB



Live Cell Imaging Products

2020

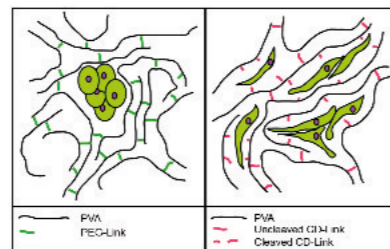
PREP



3-D LIFE HYDROGELS

The 3-D Life technology is an integrated system for the generation of biomimetic hydrogels used in 3-D cell culture. The 3-D Life system consists of two polymers that form a hydrogel by covalent crosslinking at ambient temperature. The chemical reaction is non-toxic to cells and occurs rapidly, preventing cell settlement before the gel is formed.

- Defined composition of biologically inert synthetic polymers and biopolymers
- Robust gel formation and handling
- Wide range of ligand density (up to 5 mmol/l)
- Tunable gel stiffness



3D COSEEDIS™ - 3D CELL CO-CULTURE SYSTEM

3D CoSeedis™ from abc biopply ag is a novel scaffold-free 3D cell co-culture system. It consists of a unique conical agarose matrix array (CAMA) that allows the formation of spheroidal and non-spheroidal cell aggregates and micro-organoids in a highly-reproducible and consistent manner.

The conically shaped micro-wells within the array allow precise determination of aggregate volume and cell growth. Further more, the modular composition of the 3D system allows distance co-cultures and, consequently, the standardisation of protocols. For more information about 3D CoSeedis™, contact your local Territory Manager at Thistle Scientific.



MOUNT

IMMUNOFLUORESCENCE



3 WELL | 8 WELL | 12 WELL REMOVABLE CHAMBERS

Removable silicone chambers for cell culture and immunofluorescence, suitable for upright and inverted microscopy and long term storage



μ-SLIDE VI^{2.5} AND VI^{2.4}

Slides with 6 parallel channels providing ideal optical conditions for immunofluorescence, available with different channel heights and coatings.



CELL MIGRATION



CULTURE-INSERT 2 WELL | 3 WELL | 4 WELL

Silicone inserts with a defined cell-free gap for wound healing, migration, 2D invasion assays and co-cultivation of cells. Presented sterile in a μ-Dish

24 x 13 mm labels for μ-slides



LABEL YOUR SLIDES AND PLATES WITH TOUGH-TAGS™

Diversified Biotech Tough-Tags™ are chemically inert laboratory labels that strongly adhere to dishes, microplates and microscope slides. They are perfect for labelling your ibidi labware.

FLOW ASSAYS



μ-SLIDE 1 LUER

Flow channel slides, available with different heights and coatings



μ-SLIDE VI^{2.1}, VI^{2.4} AND VI^{2.5}

Slides with 6 channels for parallel flow assays with minimal cells, Medium and supplements. Available with different channel heights and coatings, glass or ibidi Polymer coverslips



μ-SLIDE III^{2D} PERFUSION

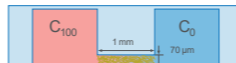
A slide for optimal nutrient supply during long term cultivation in 3D matrices

APPLICATION SPECIFIC



μ-SLIDE CHEMOTAXIS

Specialised geometry for assays with fast or slow migrating cells in 2D culture or 3D gel matrices. Lettered and numbered chambers and reservoirs



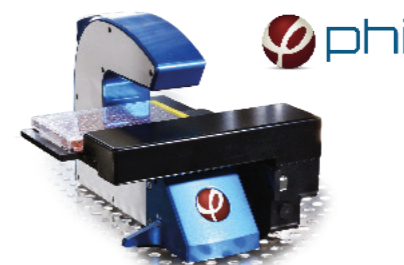
μ-SLIDE AND μ-PLATE ANGIOGENESIS 96 WELL

A slide and plate optimised for tube formation assays, 3D cell culture and immunofluorescence staining. Also available in a 96 well format for high throughput applications

IMAGE

EZSCOPE 101 - DEDICATED LIVE CELL IMAGING DIRECT FROM THE INCUBATOR

EzScope 101 brings 24/7 measurements under precisely controlled conditions in a non-perturbing environment. You can observe the images anytime with walk-away convenience. Up to four samples can be monitored simultaneously in the same incubator. Available with 10x or 20x magnification the EzScope 101 uses brightfield imaging and works in any cell culture incubator.



HOLOMONITOR M4 - ADVANCED HOLOGRAPHIC IMAGING SYSTEM

Automatically identify cells for quantitative single cell and population analysis. No staining or contrast agents are required to capture the holographic phase images. Measure cytometric parameters such as optical cell volume and thickness. Cells can be continuously monitored in their natural environment, before and after treatment, in real time without phototoxic effects.

WISCAN® HERMES - HIGH CONTENT AUTOMATED IMAGING SYSTEM

Easily generate publication-quality images at high throughput speeds

WiScan® Hermes is a cost-effective system that is both sophisticated and flexible, offering up to 7 fluorescence colours, bright field option, and a large range of air objectives.

The system can accommodate a variety of multi-well plates and sample formats (slides, dishes...) and offers environmental control for live cell assays.

