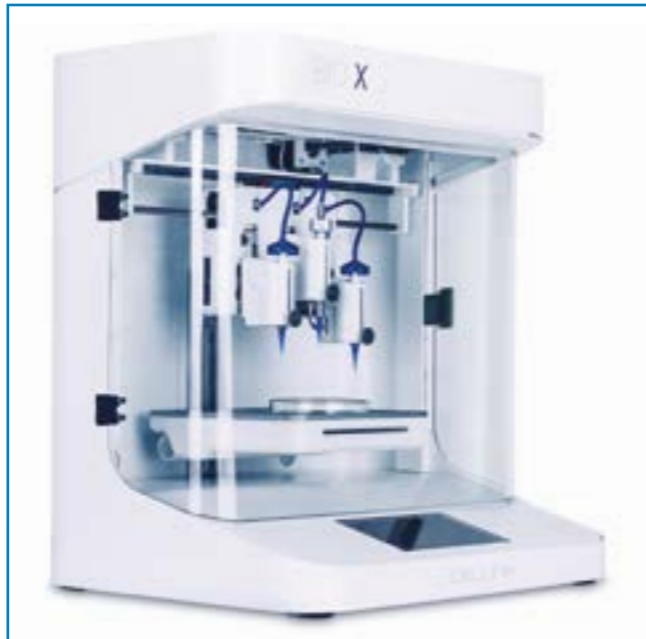




3D

**L'essenziale
per le colture 3D**



BIO X is the most user friendly bioprinter on the market and a complete stand alone product. Bioprinted tissue can be used in drug discovery where researchers can test new potential treatments and evaluate efficacy in very early stages. New drugs and treatments will potentially reach clinical trials faster with a decreased number of failures and reduce need of animal testing. BIO X is the next generation bioprinter, bringing scientists yet closer and faster to a desired future of medicine.

CELLINK

WIDE MATERIAL RANGE

Whether it's tissues like heart, skin, cartilage or bone, the user has full liberty in the selection of biomaterials for their tissue applications.

STAND ALONE UNIT

With its integrated air supply, cooling system, compressor, touch screen and WiFi connectivity, the BIO X is a complete stand alone unit, working without the need of connecting anything. BIO X maintains a small lab footprint, while still containing everything you need.

INTELLIGENT PRINTHEADS

User exchangeable, intelligent printheads with a wide range of features, making it possible to bio-print a wide range of bioinks and cells with minimal effort.

CLEANER THAN EVER BEFORE

Our Patented and newly improved Clean Chamber Technology provides you with an aseptic printing area thanks to the dual filtered positive air pressure inside the chamber.

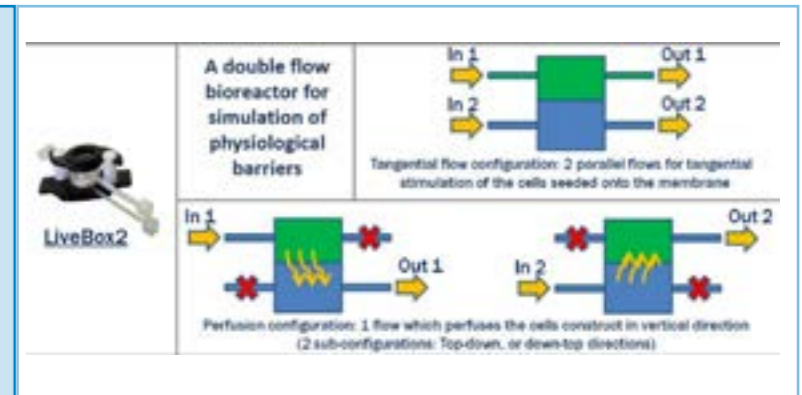
LiveBox 1: is a transparent chamber designed for inter-connected dynamic cell cultures.

A 2D/3D tissue model can be implemented using a single flow configuration. Flow lines are tangential to the cell construct placed onto the basal surface on the chamber.



LiveBox 2: is a transparent chamber, developed to model physiological barriers (e.g. lung and intestinal epithelium) in-vitro.

TANGENTIAL FLOW CONFIGURATION: suitable for physiological barriers simulation. The apical and basal chambers are perfused by 2 different and independent flows. The flow lines are parallel to the membrane surface. Perfusion flow configuration: suitable for 3D cells construct perfusion. Flow lines cross the cells construct in the vertical direction. Two sub-configurations can be implemented, based on the flow direction: top-down or down-top configurations.



LiveFlow

is a compact and low weight peristaltic pump, compatible with the incubator environment. Two removable heads drive up to two independent circuits/head. LiveFlow is equipped with a drawer able to house up to four bioreactors. Therefore you can perform up to four independent experiments in parallel. The intuitive and user-friendly interface permits a quick and easy set-up of the system, with two independent heads able to apply a flow rate between 100-450 µL/min.

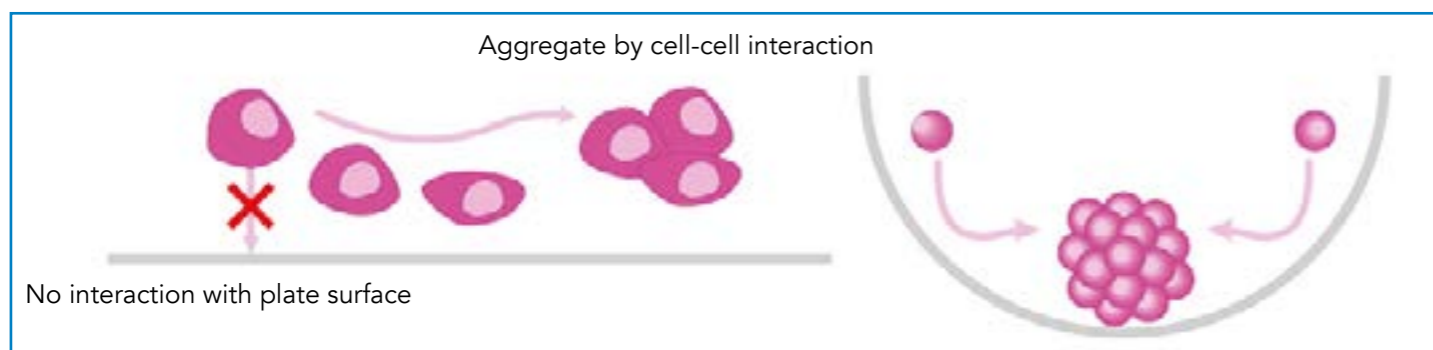


Ultra Low Attachment 3d Cell Culture Plates

PRIMESURFACE®

PrimeSurface series are coated with a unique ultra-hydrophilic polymer that covalently bound to plastic surface, and effectively inhibits cell attachment without cytotoxic and material degradation. The superior coating technologies and manufacturing processes offer uniform spheroid/EB formation and smooth surface to obtain clear cell images

PHCBI



Ultra Low Attachment 3d Cell Culture Plates

PHCBI



KEY BENEFIT:

- Non-binding surface for cells to facilitate natural spheroid formation
- Uniform single spheroid/EB formation in each well
- Spheroid assay formation and analysis in the same plate
- A variety of well bottom shapes: U-bottom, Spindle-bottom and V-bottom in 96 well format
- High optical clarity plates for imaging
- Stable, non-cytotoxic and cell non-adhesion surface
- Easy handling, compatible with liquid robotic system
- 384 well formats for high throughput assay
- Compatible with bright-field and fluorescence imaging systems
- White plates compatible with luminescent assays

Small Molecule Inhibitors and Compound

Supplies a broad spectrum of small molecules and compound libraries to be used for:

Drug screening – drug design and virtual screening, target validation, model establishment, high-throughput screening, structure optimization.

Pharmacological research – in vivo and in vitro testing of compounds to identify new uses for known drugs.

Signaling pathways – stem cell, protein tyrosine kinase, epigenetics, GPCR, MAPK signaling.

Cell research – pluripotent stem cell induction, cell signaling transduction, cell inflammation, oncology.

INHIBITORS

TargetMol
A Drug Screening Expert

Over 4,000 compounds used in cell signaling pathways and drug discovery studies and is continuously tracking the latest scientific research to promptly offer the newest and most popular inhibitors.

Between 50 to 100 new inhibitors are added each month, both NMR and HPLC validated to ensure highest purity.



Compound library can be fully customized, for all the compound.

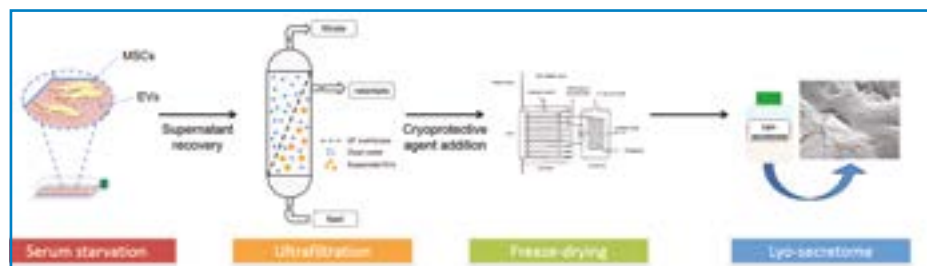
You can select compounds, quantities, format (dry/solid or DMSO), plate map, and concentration to meet your specific requirement.

Lyosecretome

Lyosecretome is a MSC-derived product obtained starting from the conditioned media by standardized protocols of concentration, purification and lyophilization. The reproducibility and full characterization made Lyosecretome suitable to be used as a standard for secretome-based research.

Lyosecretome can be used as reference standard to evaluate characteristics and potency profile of microvesicles and exosomes obtained with specific protocols (e.g. cytokines treatment or hypoxia) developed in your lab.

For example, Lyosecretome can be used as control to compare the immunomodulatory properties of cells and cell-derived products. Lyosecretome is a reservoir of cytokines and growth factors which can improve the regenerative process.



APPLICATIONS

- ▶ Assay calibration
- ▶ Protein marker analysis using different techniques
- ▶ Extraction and analysis of exosome associated nucleic acids
- ▶ Standardized positive controls for immunocapture performance evaluation
- ▶ Flow cytometry
- ▶ Electron microscopy

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TWIN HELIX S.r.l Via Federico Borromeo 4 -20017 RHO (MI)- Italy
phone +390289450270 - fax +390289450279 - email info@twinhelix.eu

