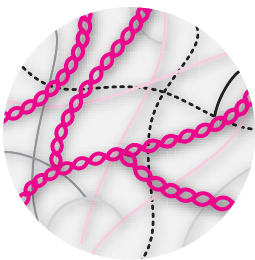


# Reproducible tissue microenvironments at scale

Mimic the tissue microenvironment with complex 3D cell model architectures and reproducible matrix arrangements to meet your needs

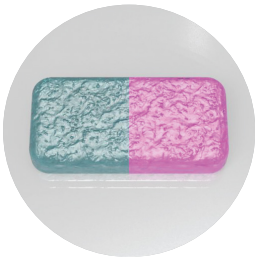


## RASTRUM™: Reproducible phenotypic cell models for your drug discovery and disease research



### Matrices: Reproducible and tunable

- Easy-to-handle, consistent, xeno-free matrices
- Supports diverse tissue types and sources
- Customisable matrix composition to mimic microenvironments



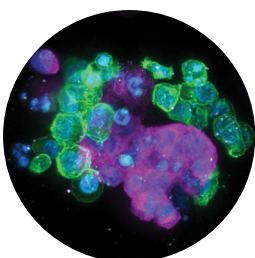
### Cell models: Predictable and scalable

- Architectures to recreate in vivo microenvironments
- Complex spatial cell and matrix arrangements available
- Compatible with standard 24–384 well plates



### Instrument: Precise and easy-to-use

- Intuitive user experience, no coding required
- Streamlined workflow and setup for efficiency and ease
- Gentle on cells, supporting sensitive cell types



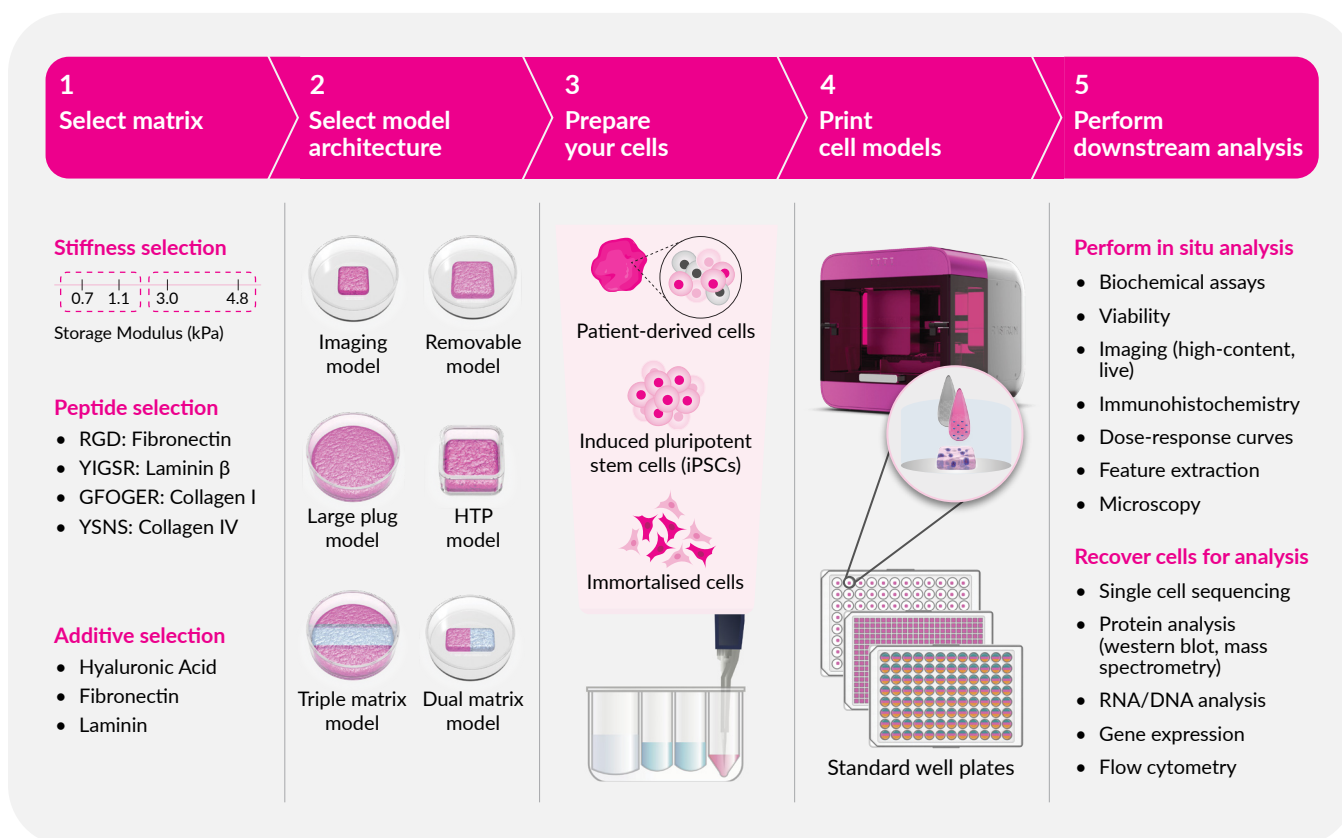
### Applications: Compatible and seamless

- Integrates effortlessly with existing readouts
- Optically clear for high-quality in situ imaging
- Cells can be easily retrieved for downstream analysis

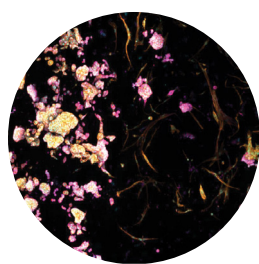
# How the RASTRUM™ Platform works

RASTRUM™ streamlines your 3D cell model development entirely from start to finish.

A library of tissue-relevant matrices, pre-validated architectures and printing protocols, enabled by workflow-driven software means that there is no fuss with getting started.

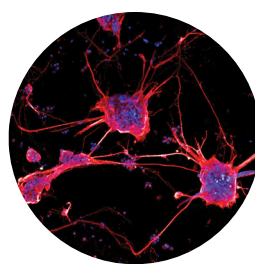


## Applications of RASTRUM™



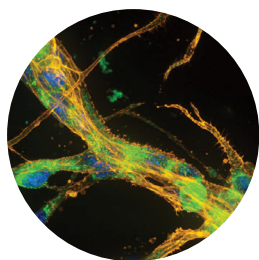
### Cancer

Explore tumour cell behaviour in the context of the tumour microenvironment using co-culture models that simulate dynamic cell-cell and cell-matrix interactions.



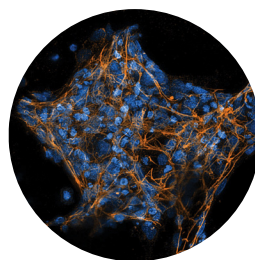
### Neuroscience

Study tumour-immune cell interactions and immunotherapeutic strategies effectively using RASTRUM 3D immuno-oncology models that replicate the in vivo tumour microenvironment.



### Drug discovery

Explore the roles of stromal cells, such as endothelial cells, immune cells and fibroblasts, in tumour processes using RASTRUM 3D co-culture models that simulate dynamic cell-cell interactions.



### Fibroblast biology

Investigate the complex role of fibroblasts in tissue development, wound healing and disease processes using RASTRUM 3D cell models that support the culture of a range of fibroblast cell types.

Want to learn more? Contact us at: [info@inventia.life](mailto:info@inventia.life) | [www.inventia.life](http://www.inventia.life)

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