DYNAMIC42

The open organ-on-chip platform

DynamicOrgan System

Established models

Human relevant data

- **Multicellular tissue**
- **Vasculature**
- **Immune cells**
- **Microbiome**
- **Pathogens**

Build human *in vitro* **disease and infection models** with the DynamicOrgan System. A system that includes pumps, biochips, consumables and the freedom to keep using standard laboratory equipment.

The open platform

/ No proprietary equipment or capex spending
/ Easy handling/integration
/ Works with established standards
/ Work with equipment you already have
/ Scalable sample number and tissue complexity

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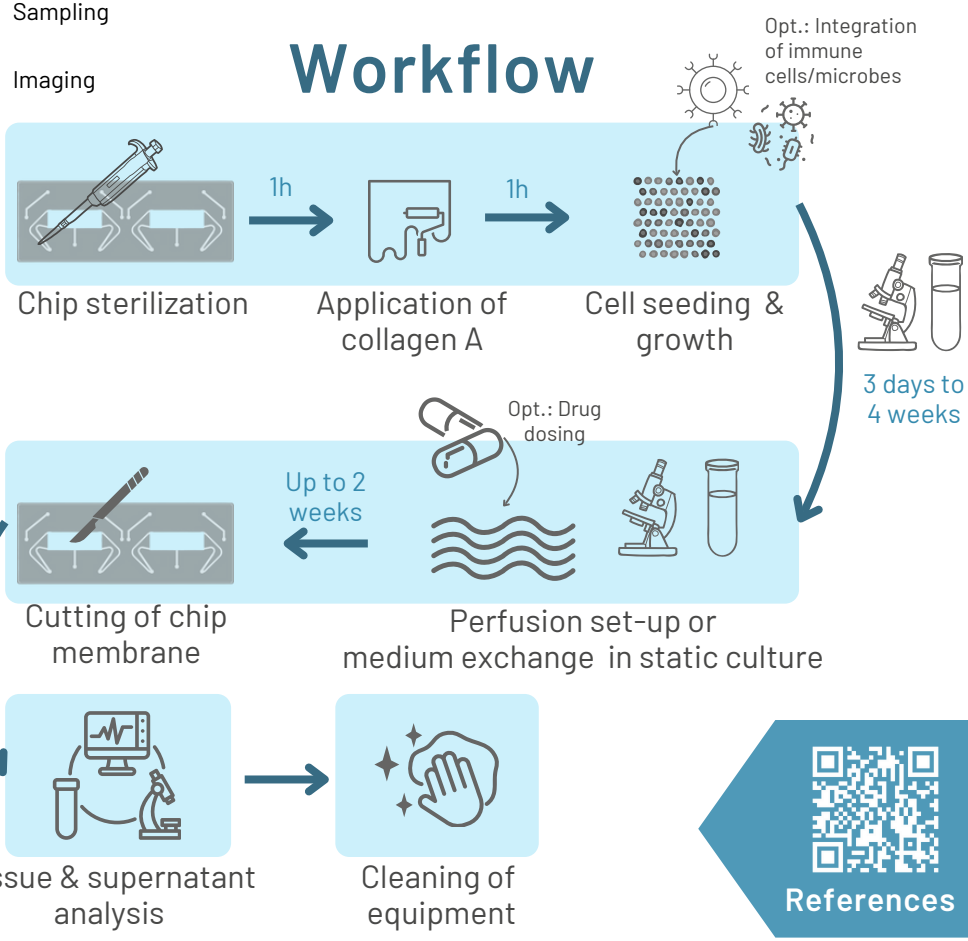
Applications

- Tissue Barrier Models - Transport Studies
- Immune Cell Perfusion & Migration
- Drug Safety Profiling
- Antibody Safety and Target Profiling
- Host-Microbiome Interaction
- Infection & Disease Modelling

Sampling

Imaging

Workflow



References