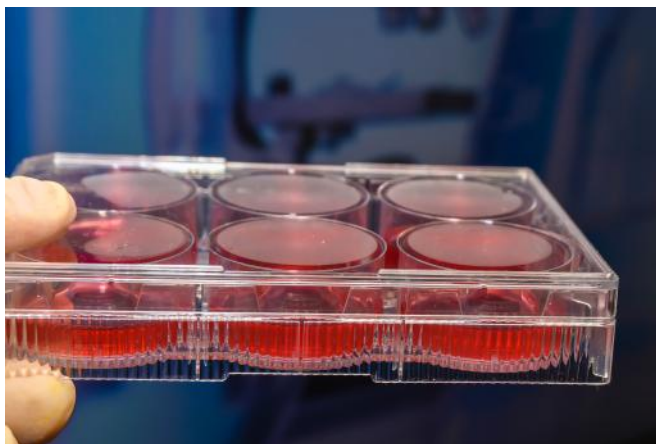


Perfusion-compatible culture medium for viable pancreatic cancer tissue avatars

A physiologically relevant culture medium designed to maintain the viability, structure, immune composition, and functional characteristics of pancreatic tissue and tumour slices during extended ex vivo culture. Optimised for perfusion systems, it supports patient-derived tumour avatar models used for therapeutic evaluation, biomarker discovery, live tissue imaging, and personalised treatment selection.

Applications: Patient-derived avatars, precision oncology testing, drug response profiling, tumour microenvironment research, spatial transcriptomics studies, immunotherapy evaluation, live tissue imaging



Features	Benefits
Preserves tumour, stromal, and immune microenvironment components during culture	The culture mimics in vivo conditions
Compatible with perfusion-based tissue culture systems	Ready for use with automated systems
Supports long-term viability of patient-derived pancreatic tumour slices	Allows for therapeutic evaluation, biomarker discovery, live tissue imaging, and personalized treatment selection

Features	Benefits
Low-glucose DMEM formulation designed	Better reflection of physiological conditions
Includes soybean trypsin inhibitor	Reduced pancreatic tissue autodigestion
Contains broad-spectrum antimicrobial and antifungal protection	Better reflection of physiological conditions

Patented and Available for

- Co-development
- Consulting
- Licensing

To find out more, contact enquiries@innovation.ox.ac.uk and quote the project number.

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