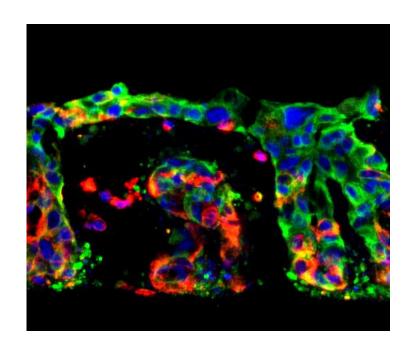
3D tumor test systems on a biological matrix

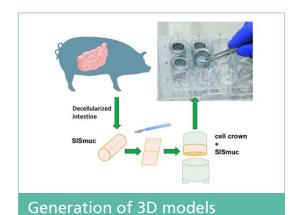


TISSUE ENGINEERED TUMOR MODELS FOR IN VIVO-LIKE DRUG TESTING

As a unique feature the here developed tumor test systems integrate the **basement membrane structure** for physiological anchorage of carcinoma cells by decellularization of porcine intestine. These models enable **drug testing in different advanced stages** and analyses of **action modes**. Tumor cells grow in different **tissue niches** as monolayer or as aggregates also in coculture with **fibroblasts**, **endothelial** and/or **immune cells**. Bioreactors prolong test periods to several weeks and can adapt culture to more physiological conditions.



Services and applications

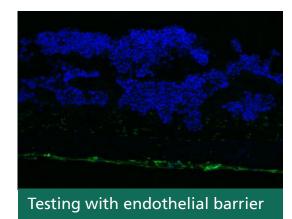


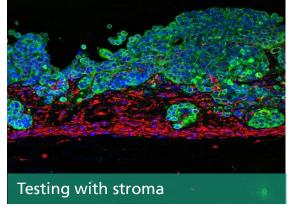


In 12-well format tumor tissues arise within 11 days for subsequent fexible testing from day 1 to 7 Enhancement of tumor tissue growth by bioreactors

SERVICES

APPLICATIONS





Testing including the endothelial barrier

3D model generation from porcine intestine

Bioreactors enable drug testing over several weeks

- For transmigration studies of immune or tumor cells endothelial cells can be added on the other side of the matrix
- Testing including the tumor stroma
- Immune therapies as CAR T cells can be addressed for testing

Your contact



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