



Colon Organoid Growth Media Kit - Human

709038

Instruction For Use

For Research Use Only
Store products at -25°C to -15°C

1. INTENDED USE

The Human Colon Organoid Growth Media Kit is intended for use by laboratory professionals to culture and grow organoids derived from human normal and tumor tissues. Organoids are suspended within a basement membrane extract (BME) dome and surrounded by the organoid media. Media is replaced regularly to ensure availability of nutrients to, and removal of waste from, the organoids. For research use only, not for diagnostic or therapeutic use.

2. COMPONENTS

Part Number	Contents	Amount
700011	Base Media	1x 100mL Bottle
700012	Media Supplement	1x 4mL Vial

3. MEDIA PREPARATION

The base media and supplement components of the kit are provided frozen and should remain frozen until use. Use aseptic technique to prepare the Colon Organoid Media.

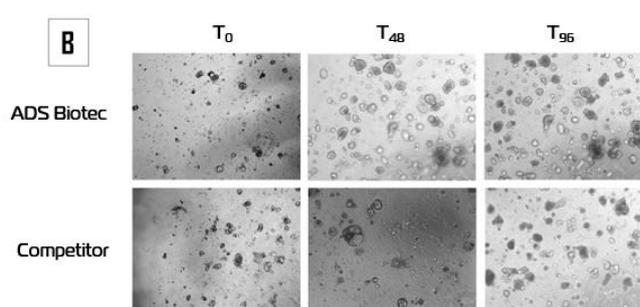
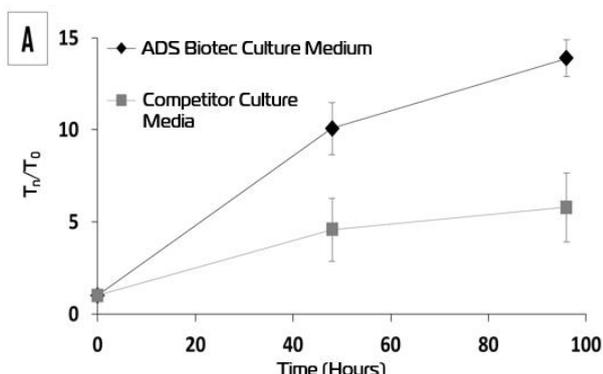
1. Thaw the media and vial at room temperature (15-25°C) for several hours with periodic mixing, or overnight in a refrigerator (2-8°C).
2. Aseptically add the supplement vial to the base media and thoroughly mix.
3. Filter the combined media through a 0.2µm filter (not included) to a new bottle/tube.

4. STORAGE CONDITIONS AND SHELF LIFE

Media and supplement are stable for up to 6 months when frozen.

After thawing and mixing, the complete media is best used within 1 month when stored between 2-8°C.

5. REPRESENTATIVE DATA



6. REFERENCES

- [1] Pauli, C., et. al. Personalized In Vitro and In Vivo Cancer Models to Guide Precision Medicine. *Cancer Discovery*. 2017, May; 7 (5). DOI: 10.1158/2159-8290.CD-16-1154
- [2] Matano, M., et. al. Modeling colorectal cancer using CRISPR-Cas9-mediated engineering of human intestinal organoids. *Nature Medicine*. 2015, Mar; 21 (3). DOI: 10.1038/nm.3802
- [3] Sato, T., et. al. Single Lgr5 stem cells build crypt-villus structures in vitro without a mesenchymal niche. *Nature*. 2009, May 14; 459 (7244). DOI: 10.1038/nature07935