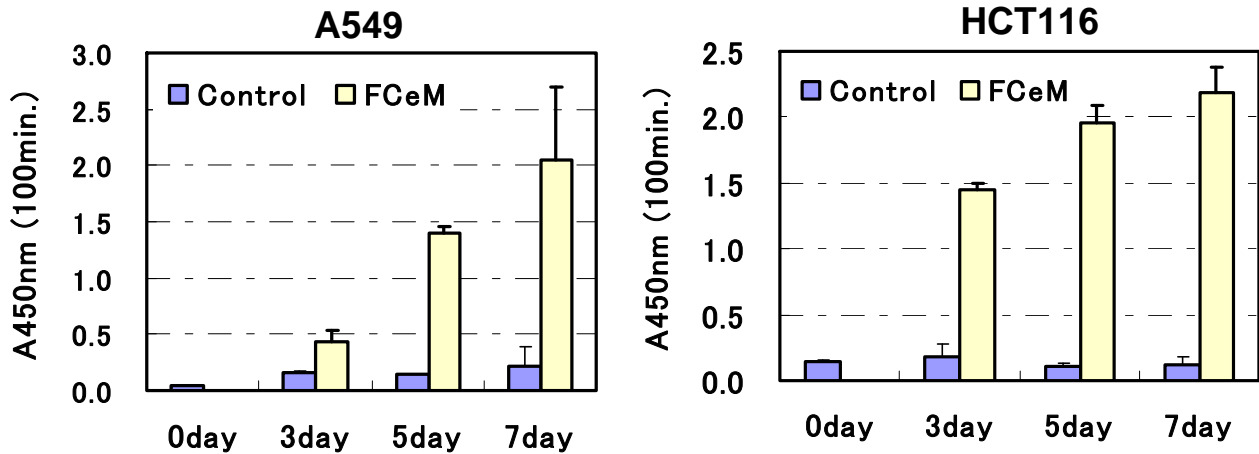


# Novel 3D Cell Culture Medium FCeM™-D/F

FCeM™ series are three dimensional cell culture medium. Effect of novel material which Nissanchemical newly developed, FCeM™ series maintain and/or promote cell proliferation and function in non-adhesion condition.

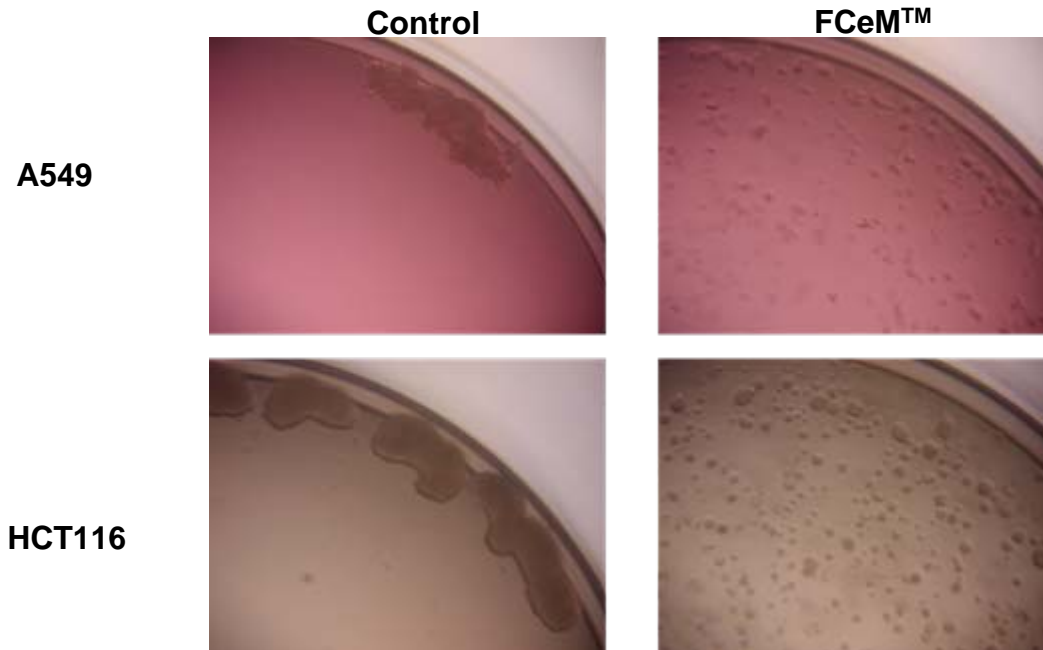
## Non-adhesion culture of cancer cells

### Proliferation of A549 and HCT116 cells on low adhesion plate using FCeM™



Number of cells in FCeM™ is maximum 10 times higher than that of control(mean±S.D.).

### Aspects of increase of each cancer cell lines (5 days after the start of cell culture)



**FCeM™ suppress the formation of huge clump of cancer cells**

- For Research or Further Manufacturing Uses Only.
- Not intended for Direct Use in Human or Animals. Don't use other than for purpose of research.
- Product will be delivered in Liquid condition. After receive the product, please preserve in cool storage.
- Please, don't freeze the product.

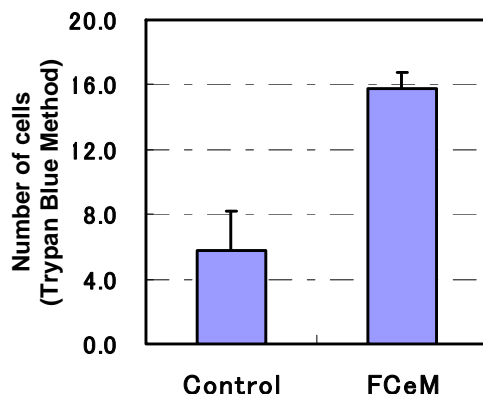
# Novel 3D Cell Culture Medium FCeM™–Hepatocyte

FCeM™ series are three dimensional cell culture medium. Effect of novel material which Nissan Chemical newly developed, FCeM™ series realize 3D culture of hepatocyte and exhibit protective effect of hepatocyte.

Reference  
exhibition

## 3D culture of hepatocyte

### 3D culture of HepG2 using FCeM™

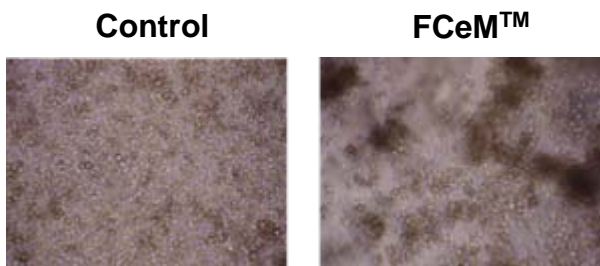


FCeM™ make it possible to sphere culture for HepG2 cells.

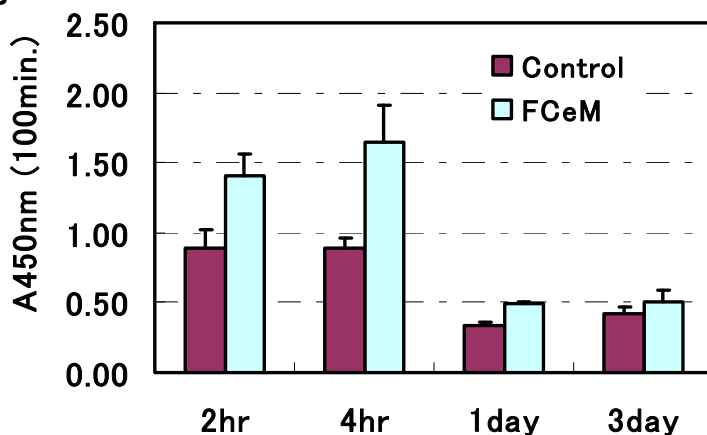
6 days after the start of cell culture, number of cells for FCeM™ was higher than that of control (Mean ± S.D.).

### Effect of FCeM™ for frozen primary human hepatocyte

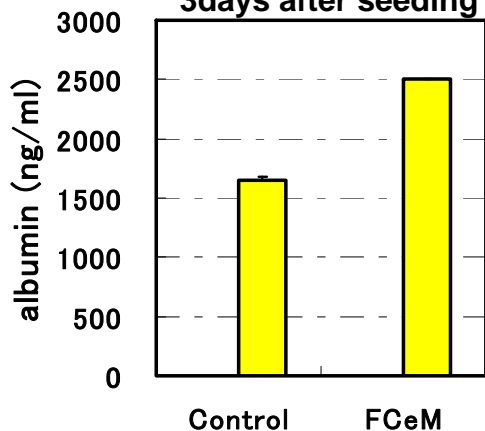
#### Morphology of 4hr after the seeding



#### Number of cells (WST value)



#### Amount of albumin secretion 3days after seeding



When frozen human hepatocyte was seeded in collagen plate, FCeM™ exhibit the promotion effect of spheroid formation of hepatocyte. Number of cells maintained maximum 2 fold higher in comparison with that of control. Amount of albumin secretion is also 1.7 higher than that of control 4hr after the start of seeding (Mean ± S.D.).

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Nissan Chemical Industries Ltd.