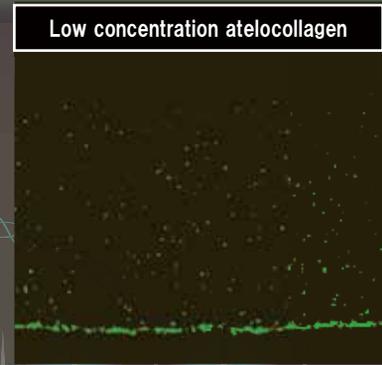
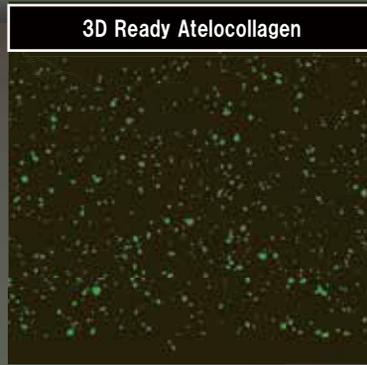


3D Ready Atelocollagen

DMEM Low/High Glucose



Are your cells sedimenting in your 3D culture?



3D Ready Atelocollagen enables uniform 3D culture. Cell sedimentation was suppressed in in-gel culture of GFP-expressing HepG2 cells by using 3D Ready Atelocollagen. (in-house data)

Features

- Ready-to use Atelocollagen for 3D culture
- Easy operation: simply mix with the cells and warm to form a gel
- Premixed with DMEM (low glucose/high glucose)

Only 3 simple steps to attain stable 3D culture in your lab!

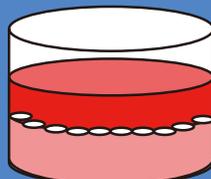


Step1: Mix thawed 3D Ready Atelocollagen with cell pellet or cell suspension.
 Step2: Add the mixture to an appropriately sized culture plate/dish and warm it to 37° C.
 Step3: Once gelation is complete, add medium on top of the gel.

3D culture



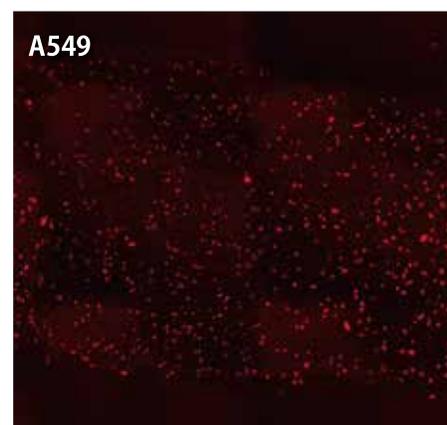
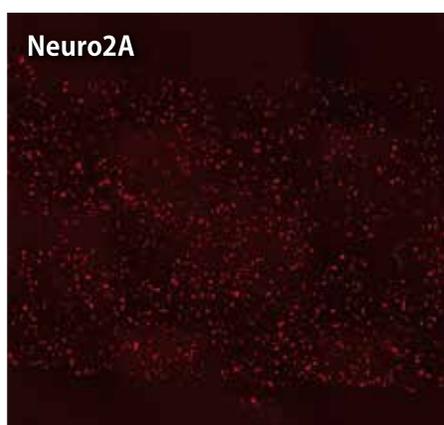
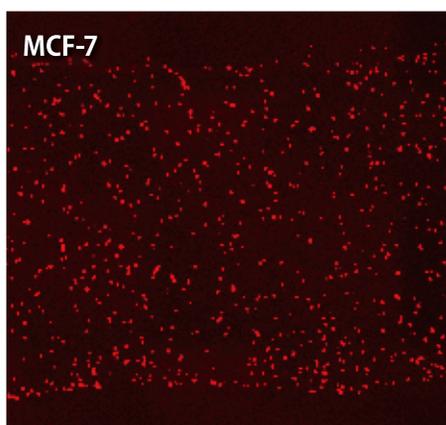
Culture on collagen gel



Co-culture



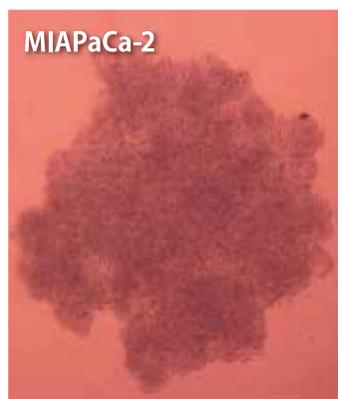
Evaluation of cell spreading using various types of cells



This is the result of creating a gel containing various cells stained with Hoechst 33342 using 3D atelocollagen and observing the cross section of the gel.

Cell sedimentation to the bottom of the gel was suppressed, and cell dispersion could be observed near the top of the gel. This shows that uniform 3D culture of multiple cell types is possible. (Internal data)

Evaluation of cell invasion from cancer cell spheroids



3D Ready Atelocollagen is transparent enough for microscopic observation.

After forming spheroids of various cells using a low-adhesion plate, 3D Ready Atelocollagen was added to the wells to perform in-gel culture (3D culture).

As a result, cell infiltration was observed in all cell types after 2 days of culture.

(Fujita M, et al. National Institutes for Quantum Science and Technology)

Cat. No.	Description	Quantity	Storage
KOU-3D-LG01	3D Ready Atelocollagen, DMEM, Low Glucose	50 mL/btl	4°C
KOU-3D-LG05	3D Ready Atelocollagen, DMEM, Low Glucose	50 mL/btl	4°C
KOU-3D-HG01	3D Ready Atelocollagen, DMEM, High Glucose	50 mL/btl	4°C
KOU-3D-HG05	3D Ready Atelocollagen, DMEM, High Glucose	50 mL/btl	4°C

World distributor



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Please don't hesitate to contact us with any questions related to product selection or use.

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