New Products 2024

3D Cell Culture Gel

Col-Tgel for tumor cell, stem cell and primary cell real 3D Cell gel (Col-Tgel)

Application

Col-Tgel is a tailorable 3D cell culture matrix for **tumor cell, stem cell** and **primary cell**. We provide soft, medium and stiff gel for your different cell types.
It provides collagen backbone for cell attachment and allows customizing matrix components by additional extracellular matrix, growth factors, cytokines, and/or hormones for optimizing three dimensional cell culture.
This product is for research use only.

Unique Features

- Handle at room temperature (no need on ice)
- Save money
- Save time: No hanging drop, rotating wall vessel bioreactors
- 3 stiffness(unique feature): to fit most cell types
- 2 mL aliquotes: avoid freeze-thaw cycle - user friendly
- Cytokine / Hormon free: no background
- Flexible:
  - Col-Tgel can be customized for different experiments.
  - Geometry: 3D embedding, 2D seeding on the top of hydrogel, or unique molds.
  - Sample size and quantity: 6- to 96- well with/without tissue culture insert or transwell.
  - Matrix component and stiffness: collagen-based with different yield strength (i.e. Soft, Med and Stiff).
  - Transparency: easy to observe directly under microscopes and can apply with immunohistochemistry directly.

Col-Tgel is a tailorable collagen-based, cell remodelable hydrogel system. It not only can be used a carrier for cell or drug delivery, but also in vitro cell culture platforms. Besides, it contains cell essential nutrients, and provides a stable and durable platform for long-term studies such as cell-cell, cell-matrix interactions, and etc.

Advantages

	Col-Tgel	**Competitor**
Componement	**Collagen, real 3D**	Gelatinous protein, not real 3D
Price	**Save**	Expensive
Growth factor	**Free, no background**	Growth factor reduce
Handle at	**Room temperature**	On ice
Stiffness	**3 stiffness (Soft, Medium, Hard)**	1 stiffness
Experiment time	**60 minutes, 3 steps**	130 minutes, multiple steps
Transparency	**Yes, easy observe under microscope**	Semi-transparent
Solidification time	**Controllable, easy to use**	Un-controllable

* If you have any further questions regarding this product, please do not hesitate to contact us per Email to: **info@aescientific.com**

- Mouse Tail DNA Extraction Kit (250 reactions)

Cat. n° : ATE605 Request your free sample

Product Description and features

Mouse tail DNA extraction kit provides a simple and rapid method to isolate the total DNA from mouse tail for genotyping. The formulated buffer system is a ready-to-use single reagent without other preparation. No organic extraction and alcohol precipitation are needed, and multiple samples can be easily processed simultaneously.

- **Fast:** 20 minutes done
- Accurate and consistent DNA extraction from mouse tail
- Instant use: No need of additional materials
- Simple and safe procedure
- No use of organic solvents
- Ready for use in PCR and other enzymatic reactions