

Atelocollagen, Permeable membrane for 6-well, 24-well culture plate

Collagen membranes are available for use with both 6 and 24 well culture plates.

Application **Advantages**

- Cell culture
- Due to membrane transparency, microscopic observation of the cells is possible while culturing.
- Study of cell interaction is possible without a co-culture.
- Cell culturing on a collagen membrane creates a natural environment that resembles in-vivo systems.
- Amino acids and other small molecular weight compounds can move freely through the permeable collagen membrane.
- All products are manufactured under stringent quality control.
- All products are sterilized.



Product Code	Product	Packaging	Storage
CM-6	Atelocollagen, membrane for 6-well culture plate Bovine dermis	Sterile 24pcs/box	-20°C
CM-24	Atelocollagen, membrane for 24-well culture plate Bovine dermis	Sterile 24pcs/box	-20°C

Type II, III, V Collagen

Application **Advantages**

- Tissue, Cell culture
- All products are sterilized.

Type II Collagen is extracted from bovine cartilage.

Type III Collagen is extracted from bovine placenta.

Type V Collagen is extracted from bovine placenta.

Product Code	Product	Packaging	Storage
CL-22	Type II collagen 3mg/mL pH3.0	Sterile 10mL/btl	2 ~ 10°C
CL-23	Type III collagen 3mg/mL pH3.0	Sterile 10mL/btl	2 ~ 10°C
CL-25	Type V collagen 3mg/mL pH3.0	Sterile 10mL/btl	2 ~ 10°C

Atelocollagen powder, sponge, membrane (Order to be made)

Atelocollagen sponge, membrane, and powder, for research use are made of highly purified type I

Atelocollagen from bovine dermis, and intended for various research uses.

Product Code	Product	Packaging	Storage
CLS-01	Atelocollagen sponge Bovine dermis 90mm×80mm×5mm	1pc/bag	2 ~ 10°C
CLF-01	Atelocollagen membrane Bovine dermis 100mm×90mm×35 μm	1sheet/bag	-20°C
CLP-01	Atelocollagen powder Bovine dermis	500mg/btl	-20°C



COSMO BIO Co., LTD.
Inspiration for Life Science

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Collagen for Cell Culture

AteloCell[™]

KOKEN purified Atelocollagen has established high reputation worldwide for its superior properties and functionality.

Atelocollagen, Native collagen

Atelocollagen, Eagle's MEM, Hanks' Medium, DMEM

Atelocollagen, Honeycomb sponge

Collagen microspheres

Collagen sponge for 35mm culture dish

Atelocollagen, Permeable membrane

Type II, III, V Collagen

* For research use only, not for human body.



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Atelocollagen, Native collagen

Collagen solution for cell culturing is highly purified collagen solution manufactured in our advanced laboratory with excellent quality control.

Atelocollagen: pepsin-solubilized type I collagen solution.

Native collagen: acid-solubilized type I collagen solution.



Applications

- Collagen coating of culture plates
- Three dimensional culture in a collagen gel
- Culture on a gel

Advantages

- All products are sterilized. The used collagen is extracted from bovine dermis, solubilized and purified by our original methods.
- Atelocollagen and Native collagen form fibrils when being neutralized at 37°C.

Product Code	Product	Packaging	Storage
IPC-30	Atelocollagen Bovine dermis 3mg/mL pH 3.0 Sterile	50mL/btl	2 ~ 10°C
IPC-50	Atelocollagen Bovine dermis 5mg/mL pH 3.0 Sterile	50mL/btl	2 ~ 10°C
IAC-30	Native collagen Bovine dermis 3mg/mL pH 3.0 Sterile	50mL/btl	2 ~ 10°C
IAC-50	Native collagen Bovine dermis 5mg/mL pH 3.0 Sterile	50mL/btl	2 ~ 10°C

Atelocollagen, Eagle's MEM, Hanks' Medium, DMEM

Atelocollagen, Eagle's MEM, Hanks' Medium, and DMEM are highly purified neutral collagen solution with medium.



Applications

- Three dimensional culture in a collagen gel
- Culture on a gel

Advantages

- All products are sterilized. The used collagen is extracted from bovine dermis, solubilized and purified by our original methods.
- Atelocollagen, Eagle's MEM, Hanks' Medium, and DMEM form fibrils at 37° C

Product Code	Product	Packaging	Storage
MEN-02	Atelocollagen, Eagle's MEM Bovine dermis 2mg/mL pH7.4 Sterile	20mL/btl	-20°C
HAN-02	Atelocollagen, Hanks' Medium Bovine dermis 2mg/mL pH7.4 Sterile	20mL/btl	-20°C
DME-02	Atelocollagen, DMEM Bovine dermis 2mg/mL pH7.4 Sterile	20mL/btl	-20°C

Collagen sponge for 35mm culture dish

The collagen sponge for cell culturing is developed for three-dimensional cell culturing. The collagen porous sponge is prepared from an insoluble type I collagen that is derived from bovine Achilles tendon.



Applications

- Cell culture on a sponge

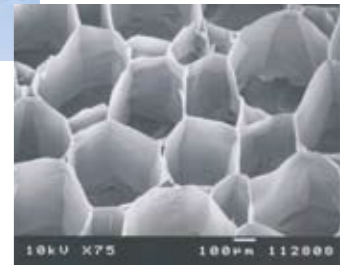
Advantages

- All products are sterilized

Product Code	Product	Packaging	Storage
CS-35	Collagen sponge for 35mm culture dish Bovine tendon Sterile	5pcs/box	Room Temperature

Atelocollagen, Honeycomb sponge

The 'Honeycomb' collagen sponge has a structure in which uniform pores (200-400 μm) are arranged densely in one direction, into which cells can penetrate and proliferate. This structure facilitates the ready supply of nutrients to the cells inside the sponge, and releases metabolic wastes and biochemical products. Cells can proliferate and fill the lumen to form a uniform cell mass.



Applications

- Three dimensional culture
- Research for tissue engineering as 3D scaffold

Advantages

- The 'Honeycomb' collagen sponge is prepared from highly purified bovine dermal type I Atelocollagen and can be degraded by collagenase.

Product Code	Product	Packaging	Storage
CSH-10	Atelocollagen, Honeycomb sponge Bovine dermis Size: about 3 × 3 × 2 mm/sponge Total surface area: about 2,000 cm ² /g Weight per volume: 12-13 mg/mL Sterile	100mg/btl	Room Temperature

Collagen microspheres

Collagen microspheres are a cell culture substrate prepared from bovine dermal type I Atelocollagen. This product can be used for the culturing, such as fibroblasts, epithelial cells and osteoblasts, and has proven effective for the long-term maintenance of cell cultures.



Applications

- Scaffold for cell culturing

Advantages

- Since collagen microspheres are prepared from fibril-forming type I Atelocollagen, they offer a cellular environment similar to living system.

Product Code	Product	Packaging	Storage
MIC-00	Collagen microspheres Bovine dermis Size: 100-400 μm Concentration: about 3,800 cm ² /15 ml About 3,000,000 particles Sterile	15mL/btl	2 ~ 10°C (Do not freeze)

Atelocollagen, Permeable membrane for 50mm culture dish

Permeable collagen membrane is specially developed from highly purified bovine dermal type I Atelocollagen for single and double layer tissue culture studies. It is particularly suitable for studying the molecular interactions between two different cell types by culturing on both sides of the membrane. It is potentially useful for the study of artificial organs and tissue engineering. The membrane is permeable and allows free passage of amino acids and small molecules, which is important for the absorption and exchange of molecules through the membrane using cell polarity.



Applications

- Cell culture

Advantages

- Since two different cell types can be cultured on both sides of the membrane, it is particularly useful for cell and molecular interaction studies.
- The permeable collagen membrane is very suitable for basic studies and for the maintenance of artificial skin, artificial pancreas, and other vital organs.

Product Code	Product	Packaging	Storage
MEN-01	Atelocollagen, Permeable membrane for 50mm culture dish (φ33mm) Bovine dermis Sterile	5pcs/box	-20°C