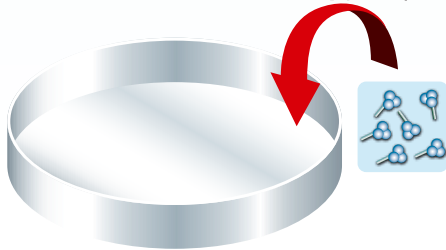


ECM Pre-mix method (WITHOUT PRE-COATING)

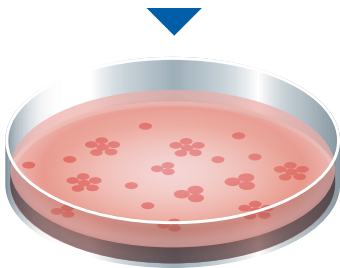
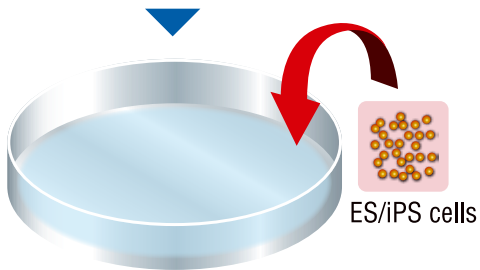
Skip the time-consuming process

Conventional method

Coating
iMatrix-511 or iMatrix-511 silk
 (*Recommended concentration: 0.5 µg/cm²)

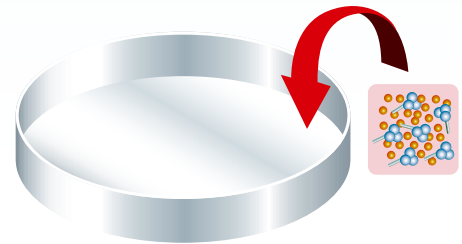


Coating treatment
 1 hour to overnight

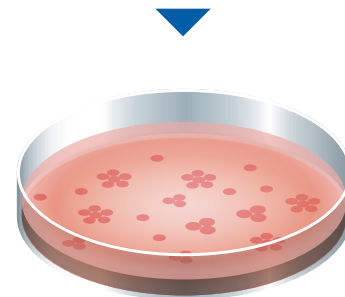


NEW method

Add and mix iMatrix-511 or iMatrix-511 silk solution to the cell suspension at passaging.
 (*Recommended concentration: 0.25 µg/cm²)



ES/iPS cells + iMatrix-511



Advantages

- No need to prepare spare precoated wells
- No pre-coating necessary
- No incubation
- Require less protein

REFERENCE

Miyazaki, T., Isobe, T., Nakatsuji, N., & Suemori, H.. Efficient adhesion culture of human pluripotent stem cells using laminin fragments in an uncoated manner. *Scientific Reports*, 7, (2017).



**ECM Premix method (WITHOUT PRECOATING)
Can be applied to 'iMatrix-511' and 'iMatrix-511 silk'.**



iMatrix-511

A highly purified and refined product of human recombinant laminin-511 E8 fragment expressed by CHO-S cells.



iMatrix-511 silk

A highly purified and refined product of human recombinant laminin-511 E8 fragment expressed by transgenic silkworm cocoon.

- Equivalent functions and performance to iMatrix-511
- Cost-effective

iMatrix-511 and iMatrix-511 silk are laminin-511 E8 fragment for cell culture.

Below are the features possible of laminin-511 E8 fragment on ES/iPS cells and mesenchymal stem cells (MSC).

- Feeder-free culture
- Single cell passaging
- Easy expansion of hES/hiPS cells
- No ROCK inhibitor necessary in replacing medium except for passaging.
- No pre-coating necessary

	Products No.	Contents
iMatrix-511	892 011	350 μg (500 $\mu\text{g}/\text{mL}$) :175 μg ×2 pcs.
	892 012	1,050 μg (500 $\mu\text{g}/\text{mL}$) :175 μg ×6 pcs.
iMatrix-511 silk	892 021	1,050 μg (500 $\mu\text{g}/\text{mL}$) :175 μg ×6 pcs.

Conventional method (ECM Pre-coated method): 35 6-well plates with 1 mg iMatrix-511 or iMtarix-511 silk
NEW method (ECM Pre-mix method): 70 6-well plates with 1 mg iMatrix-511 or iMtarix-511 silk