



User's Manual

Version 001

For life science research only

Not for use in diagnostic procedures.

Easy iMatrix-511/Easy iMatrix-511 silk

Product No. 892 018: 100 mL (Easy iMatrix-511)

Product No. 892 024: 100 mL (Easy iMatrix-511silk)

- Ingredients: Recombinant human laminin-511 E8 fragment, recombinant human serum albumin, and phosphate buffered saline
- Concentration: 1.6 µg/mL of laminin-511E8
- Storage: At 2-15°C in a dark place
- Integrin Binding Affinity: K_D of laminin-511E8 and integrin $\alpha6\beta1$ is 10 nM or less
- Expiry date: Labeled on the box
- Use: This product can be used as a cell culture substrate for iPS/ES and other cells.

Standard protocol

- 1) For a 6-well plate, in order to coat with 0.25 µg/cm², add 1.5 mL of Easy iMatrix-511 solution per well.
 - 2) Incubate the plate either at 37°C for 1 h, at RT for 3 h, or at 2-8°C overnight. DO NOT SHAKE.
 - 3) Remove the solution aseptically. DO NOT RINSE. DO NOT DRY THE PLATE, otherwise the activity will be lost.
 - 4) Add cell suspension to the iMatrix-511 coated plate.
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- ✓ Optimal conditions must be determined for each cell and application.
 - ✓ For iPS cell culture, the optimum cell density is usually 2-3 x10³ cells/cm².
 - ✓ Avoid freeze and thaw cycles.
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