COATING PROCEDURE

1. Slowly thaw recombinant laminins at +4°C before use. Thawed laminin stock is stable for at least 3 months when stored at +2°C to +8°C under aseptic conditions. For your convenience, the coated plates and diluted coating solution can be kept for up to 4 weeks when stored aseptically at +2°C to +8°C.

2. Dilute the thawed laminin stock solution with 1xDPBS containingCa2+ and Mg2+.

3. Add the diluted laminin solution to tissue culture-treated cultureware for a final coating concentration of 0.5-2 ug/cm2. The optimal coating concentration is cell-dependent. Coat the wells in advance with the laminin solution according to the instruction here.
4. Seal the plate (e.g. with Parafilm®) to prevent evaporation and incubate at +2°C to +8°C overnight. If a more rapid coating is required, incubate at +37°C for 2 hours. Make sure the laminin solution is spreaded evenly across the surface. Note that the laminin matrix will be inactivated if let dry.

IMPORTANT NOTES

- The laminin stock solution is stable for 2 years when stored at -20°C. If desired, the laminin stock can be dispensed into working aliquots and stored at -20°C. Repeated freeze thawing should be avoided.
- The protocol can easily be made totally defined and xeno-free with your choice of culture medium and enzyme.
- Before start, all solutions used for cell passaging should be aliquoted in sufficient amounts and pre-warmed at +37°C, 5% CO2.