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Coating coverslips for cell culture

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Protocol status: Working

We use this protocol and it's working

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Abstract

Coated cover-slips provide a nourishing adherent surface for cell culture. This protocol provides step by step instruction on how to coat coverslips for cell culture.

Troubleshooting



Poly L-Lysine/ Poly D-Lysine coating

- 1 Precoat the coverslips with poly-L-lysine (P5899) or poly-D-lysine (P7280) at 100 µg/ml.
- 2 This is incubated for 30 minutes or more at room temperature. The coverslips are washed with sterile water and allowed to dry.
- 3 They can be stored at room temperature until ready to use (up to 1 month).

Day before culturing: Laminin coating

- 4 Coverslips are then coated with 30 - 50 µl of laminin (50 µg/ml) which has been warmed. This is prepared the day before culturing of cells.
- 5 Incubate overnight in a humidified 37°C, 5% CO₂ incubator or at 37 °C for 30 minutes.
- 6 Remove excess laminin and rinse with PBS twice. Alternatively, wash with DME (50 µL) twice.
- 7 Add the cells to the coverslips/slides and culture as needed.