Collagen Coating Plates for Human Airway Epithelial Cells

Materials

- 0.67 mL PureCol® (Advanced Biomatrix), which contains about 3 mg/mL of Bovine Collagen Type I/III
- Sterile Deionized Water
- Tissue Culture Dishes, P100’s and P60’s, P35’s

1. Make a 1:75 dilution of PureCol® in sterile dH₂O
2. Add 3 mL of the collagen solution to each 100 mm dish
3. Swirl collagen around so the entire plate is coated
4. Incubate at 37°C for 2-17 hours
5. Transfer plates to a laminar flow hood
6. Aspirate any excess liquid
7. Continue to dry plates by resting the plate bottoms tilted to one side
8. UV sterilize 30 minutes while drying
9. Aspirate off any remaining liquid
10. Store plates at 4°C for up to 6 weeks

Note: This procedure will expose plates to 1 µg collagen/cm²
Use 1 mL for P35, 1.5 mL for P60’s

IMPORTANT: UV PLATES FOR 10 MINUTES PRIOR TO USE