

HUMAN PLACENTA COLLAGEN IV COATING OF INSERTS

(HPC)-Collagen IV coating of millicells and Transwells

HPC method:

Prepare stock solution:

- 10 mg Collagen type IV (Sigma C-7521)
- 20 mL ddH₂O
- 50 µL concentrated Acetic Acid
- Incubate from 4 – 8 hr at 37°C to dissolve
- Filter with a 0.2 µm syringe filter
- Aliquot 1 mL into sterile tubes
- Store at –20°C

Dilute 10X stock (1:10) with sterile ddH₂O

- Add **150 µL** per **10-12 mm** Millicell/Tclear/Snapwells,
- **400 µL** per **30 mm** Millicell, 24 mm Tclear
- **50 µL** per **6.5 mm** Tclear

Let dry at room temp in the hood overnight (**Lids OFF**) with blower on
UV sterilize 30 minutes in hood the next morning.

Storage: 60 days wrapped in parafilm at 4°C