

Preparing Round Glass Coverslips with Collagen

To Make Round Glass Coverslips:

In a sterile hood...

- 1) Place **70% ethanol** in **2 – 60mm petri dishes**
- 2) **With forceps** (in hood) **separate 6 round glass coverslips** (located in drawer next to hood) and **place one-by-one into first 60mm dish w/ ethanol**
- 3) **Wait ≥ 1 hour**
- 4) Take out a 150mm petri dish, open with out touching inside edges
- 5) **Remove one-by-one the coverslips** from the first 60mm dish and **dip into second 60mm dish**, let edge of coverslip **drip** onto inverted sterile top of one of the 60mm dishes, **place carefully** up against the **inside sterile rim of 150mm dish** to air dry.
- 6) Allow coverslips to completely **dry**
- 7) **Transfer** each coverslip to a sterile **35mm tissue culture dish**
- 8) Place all 35mm dishes into 150mm dish
- 9) Keeping inside of 150mm dish sterile, **transfer each lid** to 35mm plates **face down to lid of 150mm dish**
- 10) **Pipette Art Tischler Collagen** (from 50ml tube in tissue culture refrigerator) onto each dish, **covering each coverslip and dish, suck collagen back up**
- 11) Repeat for each dish until all are wet but not leaving too much in dish, ensure round coverslip center was well-wet for cells to stick
- 12) **When dry replace lids** to 35mm dishes and replace 150mm dish lid
- 13) **Wrap** 150mm dish **with parafilm** to seal
- 14) **Label** w/ collagen-coating, date, initials
- 15) -For short-term storage leave at room temperature in the back of the hood
-For long-term storage place in refrigerator