Coating Procedure of Coverslips

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Materials

· Acid washed coverslips

· Growth Factor Reduced MATRIGEL (BD, 356230)

· 0.01% poly-L-lysine solution (Sigma, P4832)

Procedure

Coating procedure of coverslips with Growth Factor Reduced MATRIGEL Matrix

1. Thaw Growth Factor Reduced MATRIGEL Matrix. Mix it to homogeneity.
2. Dilute 2 μl of MATRIGEL with 98 μl of ice-cold PBS or ice-cold medium (total 100 μl).
3. Add diluted MATRIGEL to vessel to be coated. Quantity should be sufficient to cover entire growth surface easily (3 ml per 10-cm dish; 1 ml per 6-cm dish; 0.5 ml per well of 6-well plate; 0.2 ml per well of 12-well plate).
4. Incubate at room temperature or 37°C for one hour.
5. **Optional:** Aspirate unbound material gently and dry up the MATRIGEL. Irradiate the MATRIGEL-coated dishes with UV for 15 min.
6. The MATRIGEL-coated dishes are stable for a week when stored at 4°C.

Coating procedure of coverslips with poly-L-lysine

1. Incubate acid washed coverslips in 0.01% poly-L-lysine solution for 5 min at room temperature.
2. Remove the coating solution and immediately rinse substrate three times with PBS or serum-free growth medium.
3. Seed cells onto the coated substrate or allow it to dry for use at a later time.