Fibronectin I Coating of 3D PETG Scaffold

1. Prepare 3D PETG Scaffold for coating by first immersing in 70 % ethanol, followed by two sterile 1X PBS washes. Leave 3D PETG Scaffold in the second PBS wash until ready to apply the fibronectin solution.
2. Reconstitute fibronectin to a concentration of 0.5 mg/mL using sterile 1X PBS.
3. Aspirate the second PBS wash from 3D PETG Scaffold and carefully pipette 300 µl of the diluted fibronectin solution onto each scaffold, ensuring optimal coverage and infiltration in each scaffold. Cover each plate with the respective lid and leave to stand for 1 hour at room temperature.
4. Remove excess fluid from each 3D PETG Scaffold by gently tapping the plate or Petri dish on the worktop. Check that no residual fluid is remaining in the interconnected pores. Aspirate to remove any residual coating agent from the bottom of the wells.
5. Prepare cells for seeding in the appropriate culture media and seed directly on top of the 3D PETG Scaffold, ensuring the solution infiltrates the scaffold interface effectively. Allow the cells to settle for 30-90 minutes in an incubator (5 % CO_2, 37 °C) before flooding with media.