2-D HEPATOCYTE CELL PLATING ON PURAMATRIX:

The following modifications of the BD PuraMatrix™ guidelines are recommended for the culturing of fresh and frozen rat and human primary hepatocytes on PuraMatrix™.

1. PURAMATRIX DILUTION: Prepare a 0.25% solution of PuraMatrix for the surface plating (dilute 250 µl 1% PuraMatrix™ into 750 µl sterile water).

2. PURAMATRIX WELL COATING: Add 25 µl 0.25% PuraMatrix™ evenly to each well in a 96 well plate.

3. PURAMATRIX SCAFFOLD FORMATION & BUFFERING: Next add 5 µl growth media to each of the wells. The addition of this small volume of media will initiate assembly of the PuraMatrix™ layer and buffer its low pH.

4. Next add 100 µl media to each well to promote full assembly. Let it stand for 10-15 minutes.

5. Add an additional aliquot of 100 µl media for a total of 205 µl of media per well. Let it stand for 10-15 minutes again for plating cells.

6. CELL PLATING: When cells are ready to plate, CAREFULLY remove 150 µl media and add the desired amount of cells and media per well (we recommend 50,000 cells per well in a 96 well plate).

For further hepatocyte protocols, please refer to:


