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Handling Freshly Isolated Plated Hepatocytes

Important Note: Triangle Research Labs ships all hepatocytes, plated and in suspension, in a cold preservation medium at 4°C. This medium becomes cytotoxic at 6°C and is not suitable for hepatocyte culture. Before using your hepatocytes, please remove this medium and exchange it with culture medium, following the directions in the protocol below.

Protocol for Handling Freshly Plated Hepatocytes upon Receipt of Shipment

1. Remove plates from shipping container, place plate in biosafety cabinet, and remove all packaging.
2. Aspirate all shipping medium from each well.
3. Quickly replace with the appropriate volume of maintenance medium. The total volume of media per plate is 12mL. Evenly distribute 12mL of media across all of the wells. For 6-well plates, add 2.0mL per well. For 12-well plates, add 1.0mL per well. For 24-well plates, add 0.5mL per well. For 48-well plates, add 0.25mL per well. For 96-well plates, add 0.125mL per well.
4. Place the plates in a 5% CO_2 incubator at 37°C.
5. Allow the hepatocytes to acclimate overnight (12-18 hours) prior to using them.
6. Replace the maintenance medium daily.
7. Adjust protocol as per experimental design.