

## Hepatocyte Plating Media

Hepatocyte Plating Medium (HPM) is formulated to aid in the attachment of fresh or cryopreserved hepatocytes to Collagen I, liver biomatrix or in co-culture with human liver stromal cells. HPM is also used for the recovery and plating of human liver stromal cells. HPM is a DMEM base medium without phenyl red and includes stabilized L-glutamine, HEPES and non-essential amino acids. After HPM Serum-Free Supplements are added to the basal medium and filtered to ensure sterility, the medium is complete and ready to use for plating human hepatocytes and human liver stromal cells. Hepatocyte Plating Medium is complete so you don't need to source additional components. All supplements required for making this medium complete come separate in frozen vials in the supplement pack. The basal medium is shipped at ambient temperature and the supplement packs are shipped on dry ice.

### Making Cryopreserved Hepatocyte Plating Medium

1. Hepatocyte Plating Medium (HPM250) includes the following components:
  - a. Hepatocyte Plating basal medium (250 ml bottle) is stored at 4°C.
  - b. Hepatocyte Plating Media Supplement Pack is stored at -80°C and contains the following components:

Supplement Components	Amount to Add to 250ml Medium
Insulin	250 µl
Pyruvate	2.5 ml
Pen/Strept	2.5 ml
Fetal Bovine Serum	12.5 ml
Dexamethasone	2.5 µl

### Preparing Cryopreserved Hepatocyte Plating Medium

1. Warm the basal medium to room temperature
2. Thaw the contents of the frozen supplement pack
  - a. Aseptically add the supplements to the basal medium
3. Filter through 0.22 µm filter unit
4. Store the complete medium at 4°C in the dark until ready for use.
5. Warm the complete medium to room temperature immediately before use.
  - a. Do not leave the complete medium in a water-bath for longer than 5 minutes as this may result in degradation of the medium components

Note: Degradation of some components is toxic to cells

6. Use complete medium within two weeks

**Use Restrictions:** The Products and components of the Products are to be used for RESEARCH PURPOSES only and are not for use in humans or animals. No rights expressed or implied are conveyed by the sale of the Products to make, have made, offer to sell or sell the Products alone or in combination with any other products or to use for commercial purposes without prior written consent.