

Hepatocyte Differentiation Medium

For Differentiation of Human Stem/Progenitor Cells to Hepatocytes

Hepatocyte Differentiation Medium contains glutamine and supplemental factors but no antibiotics. After the components of the Hepatocyte Differentiation Serum-Free Supplement Pack are added to the basal medium and filtered to ensure sterility, the medium is complete and ready to use for differentiation of human stem/progenitor cells of the Endodermal lineage (liver, pancreas, lung, intestine) into hepatocytes. Hepatocyte Differentiation Medium is designed to differentiate stem/progenitor cells of the endodermal lineage into hepatocytes within a few days when combined with our Liver Biomatrix.

Hepatocyte Differentiation Medium

- Hepatocyte Differentiation medium (Cat.# 11003-250) includes Hepatocyte Differentiation Basal Media and a supplement pack containing the following components:

Supplement Pack Components
Hepatocyte Differentiation Supplement (contains glutamine)
EGF
HGF
Dexamethasone

Preparing Hepatocyte Differentiation Medium

- Warm the basal medium to room temperature
- Thaw contents in the Serum-Free Supplement
 - Aseptically add the Hepatocyte Differentiation Serum-Free Supplement, growth factors and the Dexamethasone to the basal medium - transfer entire contents of the vial then rinse the vial with basal medium
- Antibiotics are optional but may be added. The cells have been tested in media containing 150ul of Gentamicin (Gibco Cat. # 15750-060 50mg/ml) in 250ml media.
- Filter through 0.22µm filter unit
- Store the complete medium at 4°C in the dark until ready for use.
- Warm the complete medium to room temperature immediately before use.
 - 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 immature stem/progenitor cells

- Use complete medium within two weeks
- After 5 days of differentiation remove the differentiation medium and replace with Hepatocyte Maintenance Medium and feed daily.

Use Restrictions: The Products and components of the Products are to be used for RESEARCH PURCHASES 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 PhoenixSongs' prior written consent.