

HB-MIX1902™ Supplement (10X)

Catalog Number: PC-35742



WARNING! Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from **ProbeChem Biochemicals**.

Product description

HB-MIX1902 Supplement is an optimized serum-free supplement used to promote and maintain the growth, maturity and viability of iPSC-derived hepatic and biliary cells. HB-MIX1902 is provided as a 10X liquid and is intended to be used with Hepatocyte Culture Medium for optimal viability and prolonged survival of hepatocytes and cholangiocytes.

Contents and storage

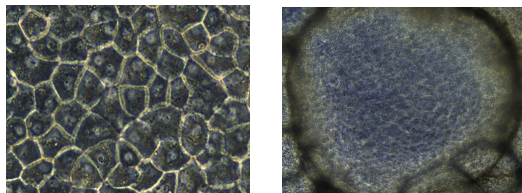
Contents	Cat. No.	Amount	Storage	Shelf life ^[1]
HB-MIX1902 Supplement (10X)	PC-35742	10 mL	-80°C to -20°C; Protect from light	12 months
	PC-35742	100 mL		

^[1] Shelf life duration is determined from Date of Manufacture.

Use

- Use HB-MIX1902 Supplement to supplement Hepatocyte Culture Medium (e. g. HCM, HepatoZYME and Leibovitz L-15) for optimal viability and prolonged survival of hepatocytes and cholangiocytes.
- Use HB-MIX1902 Supplement to supplement William's E Medium for long-term survival of hepatocytes and cholangiocytes.
- HB-MIX1902 Supplement when used as a supplement to DMEM (High Glucose) is effective for the culturing of tumor lines of hepatic origin.
- Use HB-MIX1902 Supplement to supplement Kubota's Medium for expansion of hepatic and biliary progenitors /precursor cells.

Typical morphology of hiPSC-derived hepatic and biliary lineages with HB-MIX1902 Supplement (10X) treatment



Prepare complete Hepatocyte Culture Medium

1. Thaw HB-MIX1902 Supplement (10X) overnight at 4°C.
2. Aseptically homogenize the HB-MIX1902 Supplement (10X) by pipetting, and then add 10% HB-MIX1902 Supplement (10X) (10 mL/dL) to the Hepatocyte Culture Medium before use.

Note: Remaining HB-MIX1902 Supplement (10X) may stored at -20°C to -5°C. Thaw aliquots as needed. Do not freeze-thaw HB-MIX1902 Supplement (10X) more than twice. Once thawed do not leave thawed supplement at 4°C for more than two weeks.

3. Aseptically add 1% GlutaMAX™ Supplement to the Hepatocyte Culture Medium before use.

Note: For hepatic and biliary differentiation / maturation, the complete Hepatocyte Culture Medium may require additional supplementation with Oncostatin M (OSM), Hepatocyte Growth Factor (HGF) and Dexamethasone (DEX).

Once supplemented, the complete Hepatocyte Culture Medium is stable for up to two weeks when stored in the dark at 2-8°C.