

# Hepatocyte Culture Medium Kit Datasheet



## Product Information

Cat. No.	Product Description	Size	Store at
HTM-500K	Hepatocyte Thawing Medium Kit	500 mL/Kit	
HTM-500b	Hepatocyte Thawing Basal Medium (HTM-b)	450 mL	4°C
HTM-500s	Hepatocyte Thawing Medium Supplement (HTM-s)	for 500 mL	-20°C
HPM-500K	Hepatocyte Plating Medium Kit	500 mL/Kit	
HPM-500b	Hepatocyte Plating Basal Medium (HPM-b)	435 mL	4°C
HPM-500s- I	Hepatocyte Plating Medium Supplement I (HPM-s I)	for 500 mL	-20°C
HPM-500s-II	Hepatocyte Plating Medium Supplement II (HPM-s II)	for 500 mL	-20°C
HMM-500K	Hepatocyte Maintenance Medium Kit	500 mL/Kit	
HMM-500b	Hepatocyte Maintenance Basal Medium (HMM-b)	485 mL	4°C
HMM-500s	Hepatocyte Maintenance Medium Supplement (HMM-s)	for 500 mL	-20°C

\* **Important Note:** This media system does not contain any antibiotics. If required, appropriate antibiotics may be added prior to use. (e.g., 100 U/mL penicillin and 100 µg/mL streptomycin).

## Product Description

**Hepatocyte Culture Medium Kit** consists of three key components: Hepatocyte thawing Medium Kit, Plating Medium Kit and Maintenance Medium Kit. These components are specifically designed to work synergistically to support the thawing, plating, and long-term maintenance of primary hepatocytes, ensuring optimal cell viability, functionality, and phenotypic stability throughout the culture process. Each kit component is meticulously formulated with high-quality ingredients to minimize batch-to-batch variation and maximize experimental reproducibility.

- **Thawing Medium:** a fully-supplemented, buffered medium that rehydrates and recovers cryopreserved primary hepatocytes while maximizing post-thaw viability.
- **Plating Medium:** a serum-enriched medium that supports initial attachment and spreading of thawed primary hepatocytes onto coated plates.
- **Maintenance Medium:** a serum-free, chemically defined medium that sustains hepatic morphology, viability, and phase I/II metabolic activity for extended culture of primary hepatocytes.

For the cell thawing procedure, please follow the instructions in the **Cryopreserved Hepatocytes User Guide**. It is recommended to use Hepatocyte Culture Medium Kit in combination with Collagen I Coated Culture Plate.

## Hepatocyte Thawing Medium Kit

### Product Information

Cat. No.	Product Description	Size
HTM-500K	Hepatocyte Thawing Medium Kit	500 mL/Kit
HTM-500b	Hepatocyte Thawing Basal Medium (HTM-b)	450 mL
HTM-500s	Hepatocyte Thawing Medium Supplement (HTM-s)	for 500 mL

### Product Description

**Hepatocyte Thawing Medium Kit** consists of Hepatocyte Thawing Basal Medium (HTM-500b) and Hepatocyte Thawing Medium Supplement (HTM-500s). This complete medium is formulated to support post-thaw recovery and high viability of primary hepatocytes. This complete medium is a specialized medium designed

Add the supplement into Basal Medium to obtain the complete medium. The complete medium should be pre-warmed to 37°C prior to thawing cryopreserved hepatocytes.

### Storage & Shelf Life

Upon receipt, store Hepatocyte Thawing Basal Medium at 4°C and Supplement at -20°C, use within one year. After preparation, keep the complete medium at 4°C in the dark and use within 6 weeks.

## Hepatocyte Plating Medium Kit

### Product Information

Cat. No.	Product Description	Size
HPM-500K	Hepatocyte Plating Medium Kit	500 mL/Kit
HPM-500b	Hepatocyte Plating Basal Medium (HPM-b)	435 mL
HPM-500s- I	Hepatocyte Plating Medium Supplement I (HPM-s I)	for 500 mL
HPM-500s-II	Hepatocyte Plating Medium Supplement II (HPM-s II)	for 500 mL

### Product Description

**Hepatocyte Plating Medium Kit** consists of Hepatocyte Plating Basal Medium (HPM-500b), Hepatocyte Plating Medium Supplement I (HPM-500s- I ) and Hepatocyte Plating Medium Supplement II (HPM-500s-II). This complete medium is a specialized medium designed to promote rapid attachment and high viability of Hepatocytes.

Add the supplements into Basal Medium to obtain the complete medium. The complete medium should be pre-warmed to 37°C prior to seeding thawed hepatocytes.

### Storage & Shelf Life

Upon receipt, store Hepatocyte Plating Basal Medium at 4°C, and store Supplement I & II at -20°C. Use within one year. After preparation, keep the complete medium at 4°C in the dark and use within 6 weeks.

## Hepatocyte Maintenance Medium Kit

### Product Information

Cat. No.	Product Description	Size
HMM-500K	Hepatocyte Maintenance Medium Kit	500 mL/Kit
HMM-500b	Hepatocyte Maintenance Basal Medium (HMM-b)	485 mL
HMM-500s	Hepatocyte Maintenance Medium Supplement (HMM-s)	for 500 mL

### Product Description

**Hepatocyte Maintenance Medium Kit** consists of Hepatocyte Maintenance Basal Medium (HMM-500b), Hepatocyte Maintenance Medium Supplement (HMM-500s). Hepatocyte Maintenance Medium is a serum-free, fully-supplemented medium optimized to preserve hepatic morphology and key metabolic functions.

Add the supplement into Basal Medium to obtain the complete medium. The complete medium should be pre-warmed to 37°C prior to culturing hepatocytes.

### Storage & Shelf Life

Upon receipt, store Hepatocyte Maintenance Basal Medium at 4°C, and store Supplement at -20°C. Use within one year. After preparation, keep the complete medium at 4°C in the dark and use within 6 weeks.