

HSC-BANKER® GMP Grade
(Chemically defined cryopreservation solution)

****For Research Use Only****

Manufactured By

ZENOGEN PHARMA CO., LTD.

****FDA DMF Registered****

Cat#: 13929
Size: 15mL
Storage Temperature: 2 to 8°C.
Expiry Date: 3 years from manufacturing date (see label)
Manufactured By: Zenogen Pharma Co., Ltd



Protocol:

Freezing protocol - using a cord blood freezing bag
(HSC-BANKER® GMP grade)

NOTE: The composition of HSC-BANKER® GMP grade is the same as STEM-CELLBANKER® EX GMP grade. We recommend using STEM-CELLBANKER® EX GMP grade when blood freezing bag is not used.

1. Remove red blood cells from the cord blood collection.
2. Separate the cord blood into plasma and buffy coat fractions by centrifugation at 400 x g for 10 minutes.
3. Reduce the volume of the cord blood to 13 mL by removing excess plasma.
4. Gently add equal volume (13 mL) of HSC-BANKER® GMP grade to the cord blood. Place the freezing bag in a controlled rate freezer to gradually freeze the cord blood to -80°C.
5. After the cord blood has reached the temperature of below -80°C, transfer it to a liquid nitrogen tank for long term storage.

Cells Tested (Check website for updated list)

Cell type	Products	Contributor
Adipose-Derived Stromal/Stem Cells (ADSC)	STEM-CELLBANKER® EX GMP grade	EMO Biomedicine
Cord blood derived hematopoietic stem cells	HSC-BANKER® GMP grade	The Japan society for Hematopoietic cell transplantation (2015)

Distributed By:



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References:

Mizui, T., Chen, H., Lee, S. & Fukui, M. Study on cryopreservation of human adipose-derived stromal cells. *Cytherapy* 23, S60–S61 (2021) doi: 10.1016/S1465324921003546.

Disclaimer:

HSC-BANKER® GMP grade is not itself a pharmaceutical. Therefore, no warranty, express or implied, as to the fitness and suitability of this product for any particular purpose and/or merchantability unless the use is intended for research.

Ordering Details:

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