AMMS® Pluripotent Stem Cell Medium

（CD Components, Free of Heterologous Animal-Derived Components)

Product Name

English Name： AMMS®Pluripotent stem cell culture medium

Product Performance

CatalogueNumber： AS-35

Composition of the Culture Medium：

Set Contents	Cat. No.	Specification	Amount	Storage conditions	Product Characteristics	Shelf Life
AMMS® Basic Medium for Pluripotent	AS35- 1	480mL	1 bottle	2-8 ℃, Protect from light	liquid	18months
AMMS® Additives for Pluripotent Stem Cells	AS35-2	20mL	1 bottle	-20 ℃, Protect from light	liquid	18months

Product Description

AMMS® Pluripotent Stem Cell Medium is a completely defined (CD) medium, produced in a standardized manner. It is free of heterologous animal-derived components and serum, and is used for culturing induced pluripotent stem cells and embryonic stem cells (ESC). AMMS® Pluripotent Stem Cell Medium supports the long-term and efficient proliferation of IPS cells without the need for feeder layer cells, and is able to maintain their pluripotent differentiation potential. ESC/iPSC can rapidly proliferate in this medium, while differentiated cells cannot grow in it, thus selectively expanding and obtaining high-purity pluripotent stem cells.

Product Features:：

1.It is suitable for culturing induced pluripotent stem cells and embryonic stem cells.

2.While maintaining the rapid expansion of stem cells, it can also preserve their phenotypes and multi-directional differentiation characteristics.

3.The endotoxin content in the complete medium is less than 0.25 EU/mL.

4.Both the serum-free medium and the additives contain no heterologous animal-derived components and no antibiotics.

5.The chemical components in the medium are clearly defined.

Instructions for Use

Preparation of the Pluripotent Stem Cell Medium:

In a biological safety cabinet, add 20 mL of AMMS® Pluripotent Stem Cell Additive to 480 mL of AMMS® Basic Pluripotent Stem Cell Medium to prepare the complete medium. The complete medium can be stored at 4℃ and should be used within 2 weeks.

Precautions

1.The AMMS® Pluripotent Stem Cell Additive should be thawed at 4°C and must not be thawed at 37°C.

2.It is recommended to use up the prepared complete medium within 2 weeks.

3.The AMMS® Pluripotent Stem Cell Additive can be aliquoted and stored frozen according to the actual usage amount. The total number of freeze-thaw cycles of the AMMS® Pluripotent Stem Cell Additive should not exceed 2 times.

References

1. Hideaki Kumagai a , Hirofumi Suemori a , Motonari Uesugi b,c , Norio Nakatsuji b,d , Eihachiro Kawase, Identification of small molecules that promote human embryonic stem cell 3 self-renewa, Biochemical and Biophysical Research Communications，17(4)(2013)：710-716.

2. Carolina Bluguermann, Leonardo Romorini1, Denis Evseenko,Ximena Garate1,Gabriel Neiman, Gustavo Emilio Sevlever,Marıa Elida Scassa,Santiago Gabriel Miriuka.Leukemia Inhibitory Factor Increases Survival of Pluripotent Stem Cell-Derived Cardiomyocytes, J. of Cardiovasc,11(2) (2018)：1-13.