

StemGro® ESS6 Medium

Cat.No.	Product	Amount	Shelf Life	Type	Storage	Transportation
T463KJ	StemGro® ESS6 Medium	500 mL	12 个月	Liquid	2-8 °C	Blue Ice



1.Introductions

StemGro® ESS6 Medium is a chemically defined, animal component-free medium primarily designed for the spontaneous or directed differentiation of human pluripotent stem cells (PSCs) and for the reprogramming of somatic cells into human induced pluripotent stem cells (iPSCs). StemGro® ESS6 Medium contains only the essential components required for stem cell culture and does not contain bFGF or TGFβ. Its streamlined formulation helps reduce batch-to-batch variation while providing users with the flexibility to adjust TGFβ and bFGF levels and to add other components to match a given application. ESS6 Medium is primarily used for the differentiation of PSCs and the reprogramming of somatic cells. For the maintenance of pluripotency and expansion of PSCs, please use Yuanpei's StemGro® ESS8 Medium or StemGro® TeSR Medium.

Main Applications of StemGro® ESS6 Medium:

Differentiation of PSCs

ESS6 Medium does not contain bFGF or TGFβ and can support the formation of embryoid bodies. It can also serve as a base medium for the directed differentiation of various cell types along the endoderm, mesoderm, and ectoderm lineages.

Reprogramming of Somatic Cells

When supplemented with bFGF, ESS6 Medium can be used for defined, feeder-free reprogramming of somatic cells. ESS6 is compatible with a variety of somatic cell reprogramming methods, including episomal vectors and Sendai virus.

This product is prepared using Water for Injection (WFI).

2. Quality management system

The product is manufactured in CGMP standard workshop in Basalmedia Shanghai.

Basalmedia Shanghai Biotechnology Co.Ltd has obtained ISO9001 :2015 , ISO13485 :2016 quality system certification.

3. Product parameters

The product is sterilized by filtration.

Appearance: Transparent liquid with red color

Endotoxin: ≤1 EU/mL

Osmotic pressure: 340 ~ 400 mOsm/kg·H₂O

pH value: 7.0 ~ 7.4

Storage: 2 ~ 8 °C

Transportation: Blue Ice

Application: for research and production only.

4.User guide

Please wear appropriate safety gloves, lab clothes and goggles when using. The product should not be used on the human body.

The environment in which the cells contact directly must be sterile, and the reagents used in cells culture must be sterile. Please conduct cell experiments in a sterile environment. Before moving any vessels or tools into a sterile environment, remove the outer packaging at the entrance and disinfect with alcohol swab.

Note: Do not use the product when it has completely melted upon receipt, or when it has passed its term of validity.

5.相关产品

Cat.No.	Product	Amount	Storage	Transportation
T430KJ	StemGro® ESS8 Pluripotent Stem Cell Medium	Set		
T440KJ	StemGro® TeSR Pluripotent Stem Cell Medium	Set		
T441KJ	StemGro® TeSR Pluripotent Stem Cell Medium-3D	Set		
T310KJ	StemGro® Mesenchymal Stem Cell (MSC) Expansion Medium	100 mL	-30 ~ -5 °C	Dry Ice
T320KJ	StemGro® Mesenchymal Stem Cell (MSC) Serum-Free Basal	500 mL	2 ~ 8 °C	Blue Ice
S342KJ	Trpzyme® Recombinant Trypsin Solution, without phenol red	500 mL	-30 ~ -5 °C	Dry Ice
S919JV	CD-Freezer® Chemically Defined Cell Cryopreservation Medium	100 mL	2 ~ 8 °C	Blue Ice
B210KJ	Dulbecco's DPBS, without Ca ²⁺ , Mg ²⁺ , Phenol red	500 mL	2 ~ 30 °C	RT

B220KJ	Dulbecco's DPBS, with Ca ²⁺ and Mg ²⁺ , without Phenol red	500 mL	2 ~ 30 °C	RT
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