

中乔新舟小鼠胚胎干细胞培养液完全添加物

Mouse Embryonic Stem Cell Medium Supplements (MESCMS)

Catalog Number:

Product Description

Mouse embryonic stem cells (ES cells) are pluripotent cells derived from the inner cell mass of day 3.5 blastocysts. They can be maintained in vitro for extended periods without loss of their capacity to contribute to all cell lineages when re-implanted back into a blastocyst. The pluripotency of mouse ES cells, combined with their ease of genetic manipulation and selection, has revolutionized gene analysis studies in vivo via the generation of transgenic, chimeric and knockout mice. Culture of mouse iPS cells and ES cells requires the use of carefully pre-screened cell culture reagents to ensure retention of pluripotency. All ES-Cult reagents are pre-screened to ensure the maintenance of mouse ES cells. Mouse Embryonic Stem Cell Medium (MESCMS) is a sterile, liquid medium which contains essential and non-essential amino acids, vitamins, organic and inorganic compounds, growth factors, trace minerals. The medium is HEPES and bicarbonate buffered and has a pH of 7.4 when equilibrated in an incubator with an atmosphere of 5% CO₂/95% air.

Components

MESCMS consists of 75 ml of fetal bovine serum (FBS, Cat. No. 0500), 20 ml of embryonic stem cell supplement (ESC-S, final concentration: 1% penicillin and streptomycin, 2 mM L-glutamine, 0.1 mM non-essential amino acids and 0.1 mM 2-mercaptoethanol), 5 ml of leukemia inhibitory factor solution (LIF Cat. No.20150010).

Product Use

MESCMS is for research use only. It is not approved for human or animal use, or for application in in vitro diagnostic procedures.

Storage

Store the FBS, ESC-S and the LIF solution at -20°C. Protect from light.

Shipping

Gel ice.

Prepare for use

Thaw FBS, ESC-S and LIF solution at 37°C. Gently tilt the tube several times during thawing to help the contents dissolve. **Make sure the contents of the supplement are completely dissolved into solution before adding to the medium.** Rinse the bottle and tubes with 70% ethanol, and then wipe to remove excess. Remove the cap, being careful not to touch the interior threads with fingers. Add FBS, ESC-S and LIF solution into basal medium in a sterile field, mix well and then the reconstituted medium is ready for use. Since several components of MESCMS are light-labile, it is recommended that the medium not be exposed to light for lengthy periods of time. If the medium is warmed prior to use, do not exceed 37°C. When stored in the dark at 4°C, the reconstituted medium is stable for one month.

联系方式:

上海中乔新舟生物科技有限公司

电话: 021-5126 2178 传真: 021-5126 2077 Email: support-one@zqxzbio.com

地址: 上海市杨浦区邯郸路 100 号复旦科技园 54 乙 112-115 室