

MCDB107 Medium

BACKGROUND

MCDB107 medium is a basal medium made by the improvement of MCDB104 medium suitable for colony-like proliferation of human diploid fibroblasts. This medium is optimized for the proliferation of mesenchymal cell such as endothelial cell, vascular smooth muscle cell and cardiomyocyte.

Volume 500 mL

Usage The medium is sterilized and ready-to-use liquid medium. Use the medium for cell culture adding aseptically serum and cell growth factors.

Chemical characterization The medium contains L-alanine, L-arginine.HCl, L-asparagine.H₂O, L-aspartic acid, L-cysteine.HCl.H₂O, L-glutamic acid, L-glutamine, Glycine, L-histidine.HCl.H₂O, L-isoleucine, L-leucine, L-lysine.HCl, L-methionine, L-phenylalanine, L-proline, L-serine, L-threonine, L-tryptophan, L-tyrosine.Na, L-valine, NaCl, KCl, MgSO₄, Sodium pyruvate, NH₄VO₃, CaCl₂.4H₂O, CuSO₄.5H₂O, FeSO₄.7H₂O, MgSO₄, MnSO₄.H₂O, (NH₄)₂MO₄.4H₂O, NiCl₂.4H₂O, NaSiO₃, Na₂SeO₃, SnCl₂.2H₂O, ZnSO₄.7H₂O, KH₂PO₄, D-biotin, Choline chloride, Folinic acid, Myo-inositol, Niacinamide, D-pantothenic acid.1/2Ca, Pyridoxine.HCl, Riboflavin, Thiamine.HCl, Vitamin V12, Adenine.HCl, D-glucose, HEPES, Phenol red.Na, Putrescine.2HCl, Lipoic acid, Thymidine.

Storage Store the medium for up to 6 months at 4°C. Avoid direct rays, seal and keep at cool and dark place. Protect from light. If the medium is warmed prior to use, do not exceed 37°C.

References

- 1) H.Hoshi, M. Kan : J. Tissue Cult. Methods., 10: 83-92 (1986)
- 2) W.L.McKeehan, K. A. McKeehan, S. L. Hammond, R. G. Ham : In Vitro., 13:399-416 (1977)
- 3) H.Hoshi, W.L.McKeehan : In Vitro Cell. Dev. Biol., 22: 51-56 (1986)
- 4) H.Hoshi, M. Kan, J-K. Chen, W.L.McKeehan : In Vitro Cell. Dev. Biol., 24:309-320 (1988)
- 5) T.Suzuki, M. Ohta, H.Hoshi : In Vitro Cell. Dev. Biol., 25: 601-606 (1989)

Caution The medium is for research use only. It is not approved for human or animal use, or for application in in vitro diagnostic procedures. If handled improperly, some components of the medium may present a health hazard. Take appropriate precautions when handling it, including the wearing of protective clothing and eyewear. Dispose of properly

For research use only. Not for clinical diagnosis.



COSMO BIO Co., LTD.

【JAPAN】

TOYO EKIMAE BLDG. 2-20, TOYO 2-CHOME,
KOTO-KU. TOKYO 135-0016, JAPAN
Phone: +81-3-5632-9610
FAX: +81-3-5632-9619
URL: <https://www.cosmobio.co.jp/>



COSMO BIO USA

【Outside Japan】

2792 Loker Ave West, Suite 101
Carlsbad, CA 92010, USA
email: support@cosmobiousa.com
URL: www.cosmobiousa.com
Phone/FAX: (+1) 760-431-4600