Cat No. 08363-96

Manual

Cell Culture Insert

ad-MED Vitrigel™ 2 (12 well)

1. Intorduction

ad-MED Vitrigel™ 2 (12 well) (Fig. 1) is a cell culture insert using a collagen vitrigel membrane composed of high-density collagen fibrils equivalent to connective tissues *in vivo*. ad-MED Vitrigel™ 2 indicates a high adhesive property against animal cells and enhances cell stretching, which enables good cell culture for a wide range of cells.

Fig. 1 ad-MED Vitirgel™ 2 (12 well)

2. Package

Product Name	ad-MED Vitrigel™ 2(12 well)
Product No.	08363-96
Package size	12 well plate with lid (12 individual insert)
Storage	0～6 ℃

3. Specification

Surface area	1.0 cm^2
Standard volume of culture medium	Inner of insert 0.2～1.0 ml Outside of insert 1.0～2.0 ml
Sterilization	Gamma ray sterilized

4. Application

Culture for various animal cells

5. Standard protocol

1) Pre-warm a medium to 37℃.
2) Pull out the product from the package and place it in a clean bench.
3) Add 0.5 ml and 1.5ml of the medium to inside of the insert and outside the well. Hydrate the membrane by placing for 10 minutes or more.
4) Remove the medium from inside the insert (Refer to Note 4), Pour the cell suspension into the insert.
5) Culture cells in proper conditions.

6. Note

1) This product is sterile.
2) Store at 0 to 6 ℃. Refrigerated storage is also available but avoid freezing.
3) Before seeding the cells, hydrate the membranes with the medium (Refer to standard procedure). Avoid redrying the hydrated membrane.
4) When removing the medium in the insert, Pipette tip should be aligned to the pipette end structure (Fig. 2) on the inner wall of the insert for avoiding scratch the cells.

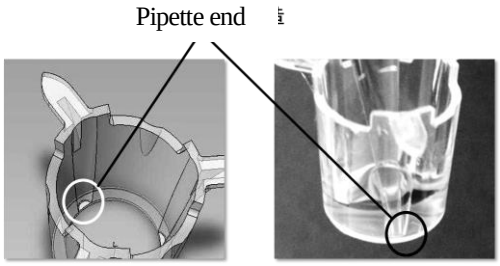

Fig. 2 Pipette end structure

5) Be careful not to aspirate the membrane when removing the medium with the aspirator.
6) White spots on the membrane is a protective agents (salt) for the membrane and there is no problem in performance. Protective agents will be removed on hydration process (Refer to Standard protocol 3 and 4).
7) This product is research use only.
8) This product is supported by Agri-Health Translational Research project from the Ministry of Agriculture, Foresty and Fisheries of Japan. Vitrigel™ is registered trademark of National Agriculture and Food Research Organization (NARO).

KANTO CHEMICAL CO., INC.
REAGENT DIVISION

East Muromachi Mitsui BLDG, 2-1,Nihonbashi Muromachi 2-chome,Chuo-ku, Tokyo, JAPAN 103-0022
Telephone: +813-6214-1090
https://www.kanto.co.jp/english/