Cat No.08368-96

Manual

Cell culture Insert

ad-MED vitrigel™ 2 (96 well)

1. Introduction

ad-MED Vitrigel™ 2 (96 well) is a cell culture insert using collagen Vitrigel™ membrane consisting of high-density collagen fibrils equivalent to connective tissues *in vivo* (Fig. 1). It has high adhesive property and promotes cell spreading against various kind of animal cells.

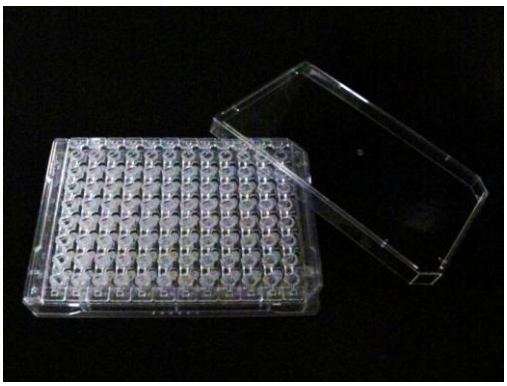


Fig. 1 ad-MED Vitrigel™ 2 (96 well)

2. Package

Product Name	ad-MED vitrigel™ 2 (96 well)
Product No.	08368-96
Package	1 Set (96 well) 8-well inserts ×12
Stored at	0 ℃～6 ℃

3. Specification

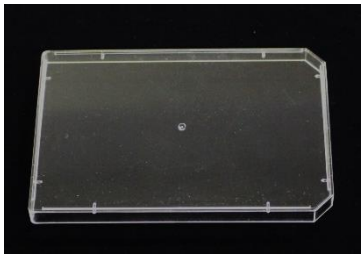
Surface Aria	0.11 cm^2
Standard volume of Culture medium	Inner of insert 20 µL～100 µL Outside of insert 96 well plate 120 µL～250 µL single well plate 30 mL～60 mL
Sterilization	Gamma ray sterilized

4. Application

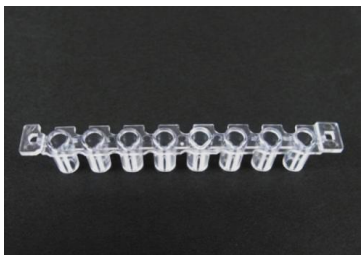
Culture for various animal cells

5. Product composition

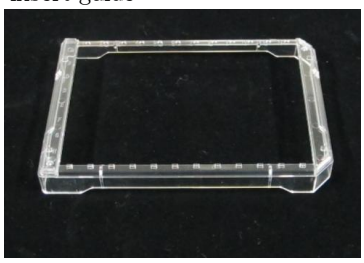
1) rid × 1



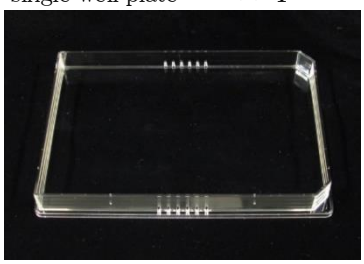
2) 8-well inserts × 12



3) insert guide × 1



4) single well plate × 1



5) 96 well plate × 1

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/

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6. Protocol

1) Pre-warm a medium to 37℃.
2) Pull out the product from the package and place it in a clean bench.
3) Set required number of 8-well inserts on the insert guide.
4) With the insert guide with the 8-well insert attached to the single well plate, use a pipette to add 50 µL of medium inside the insert and 40 mL outside the insert (in the single well plate) and allow to stand for at least 10 minutes to hydrate the membrane.
5) Remove the medium from inside the insert (Refer to Note 4), Pour the cell suspension into the insert.
6) Culture cells in proper conditions.
7) If necessary, replace the single-well plate with a 96 well plate (medium volume: 200 µL) for use in assays, etc.

7. Note

1) This product is sterilize
2) Stored at 5 to 30 ℃. 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

Pipette-end structure

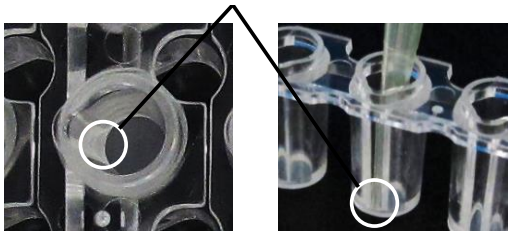

Fig. 2 Pipette-end structure

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 4 and 5).
7) This product is research use only.
8) Please remove the cushioning material when using.
9) The 8-well inserts are oriented in different directions. When removing the 8-well insert from the insert guide and reinserting it, please align the tab of the 8-well insert with those of the insert guide before setting it in place (Fig.3).

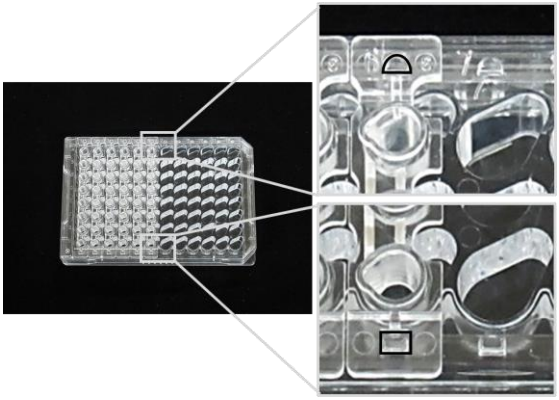

Fig. 3 Insert guide tab structure

10) Insert guide allows transfer from single-well plates to 96-well plates with the 8-well insert still in place.
11) The remaining 8-well inserts can be reused by combining them with the "Reservoir Plate Set for ad-MED Vitrigel® 2 (96-well)," a product sold separately.
12) Removal of the 8-well insert should be done aseptically .
13) 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).

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East Muromachi Mitsui BLDG, 2-1,Nihonbashi Muromachi 2-chome,Chuo-ku, Tokyo, JAPAN 103-0022
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