

I. STORAGE OF EPIDERM (EPI-200)

a) Storage conditions

Upon receipt, store the **EpiDerm skin model** in a **sealed 12-well plate** and the **assay medium** in the **refrigerator (2-8°C)**.

Summary of storage conditions

| Part # | Description | Storage Conditions | Shelf Life |
|--------------------|--------------------|---------------------|------------|
| EPI-200 | EpiDerm cultures | Refrigerate (2-8°C) | 96 hours* |
| EPI-100-ASY | Assay medium | Refrigerate (2-8°C) | 7 days |
| EPI-100-MM | Maintenance medium | Refrigerate (2-8°C) | 7 days |

* : Storage in an unopened package at **2-8°C**.

II. PREPARATION OF EPIDERM (12-WELL PLATES, CULTURED IN 6-WELL PLATES)

Pre-warming the medium

- Pre-warm the **assay medium** to **37°C**.
- Pipette **900 µL** of pre-warmed assay medium into each well of a **6-well plate**.

Transferring EpiDerm samples

- **1 hour before culture initiation**, remove the tissues from the **refrigerator**.
- **Under sterile conditions**, remove the **inserts** from the agarose medium and transfer them into the **6-well plates containing 900 µL of medium**.
- **Remove any excess agarose** adhering to the inserts.

Pre-incubation

- **Place the plates at 37°C, 5% CO₂** for **1 hour before exposure**.
- For **optimal tissue recovery after shipment**, an **overnight incubation** may be performed.

Air-liquid interface

- The inserts should be positioned so that the epidermis is **cultured at the air-liquid interface**, meaning that **only the lower side of the tissue is in contact with the medium**.
- Ensure that no air bubbles are trapped under the inserts to maintain proper nutrient exchange.

