

Cellovations[®] Adipocyte-Endothelial Cell Cocultivation

Cellovations Adipocyte-Endothelial Cocultivation Medium Kit , chemically defined

Product Description:

Cellovations Adipocyte-Endothelial Cocultivation Medium Kit , chemically defined is a complete medium formulated for cocultivation of adipocytes with endothelial cells as direct or indirect culture. The medium contains essential and non-essential amino acids, vitamins, organic and inorganic compounds, hormones, growth factors, trace minerals plus defined serum replacement together with the supplement KIT.

The medium is for research use only and not approved for human or animal use or for application in any in vitro diagnostic procedure.



Innovation:

This medium does not contain any animal derived product. No Fetal Calf Serum or any unknown compound. If you need more detailed information about the supplements please contact us: info@pelobiotech.com or our CSO lothar.steeb@pelobiotech.com

Storage of the supplements:

Please note that the Basal Medium has to be stored at 4°C up to 8°C but never should be frozen. The supplements have to be stored at -20°C. Protect from light for a longer time period.

Preparation of the medium:

Thaw the supplement KIT at 37°C before adding to the basal medium. After thawing please rinse the bottle and the tubes with 70% ethanol as protection. Remove ethanol excess before opening the caps of the tubes. After adding the supplements to the basal medium slew carefully to get a homogenous medium.

Please be careful not to touch the tube or bottle interior threads with your fingers. Please avoid long term exposure to light because some components are light sensitive. Also do not warm up the medium over 37°C. All this protects your medium against contamination or degradation of essential components. Stored in the dark at 4°C the reconstituted medium will be stable for 5 weeks.

CoCulture of Adipocytes and Endothelial Cells

Indirect culture in wellplates and inserts

Direct culture with cell-cell-interaction

1.: Differentiation of adipose derived stem cells (ASC) or Preadipocytes (pAd) to Adipocytes (Ad)

1.1. Culture of ASC or pAd

3-4 days

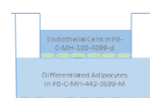
1.2. Differentiation of ACS or pAd

13 days

1.3 Add endothelial cells

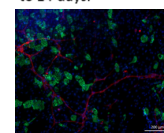
Seed 6900 endothelial cells in a collagen coated insert.

After 24 hours transfer inserts to the well plates with the Ads.



Seed 8000 endothelial cells on top of the Ads.

Using the Co-Culture Growth Medium AE Kit (PB-C-MH-895-0099-d) Can be cultured for up to 14 days.



Product Information

- Catalogue number: PB-C-MH-895-0099-d
- Components: 500 ml Basal Medium – Supplement Kit – Antibiotics Solution (optional)
- Supplement Kit contains: Supplement I - XV
optional: 50.00 ng / ml Amphotericin B; 50.00 µg / ml Gentamicin

MSDS are available upon request!

ORDER UNDER sales@pelobiotech.com or FAX + 49 (0)89 517 286 59 88