



Visceral Adipocyte Culture Medium ver.1

Product Description

VACMR is a complete medium designed for differentiation of precursor cells into mature adipocytes in vitro. It is a sterile, liquid basal medium (DE/F-12) which contains essential and non-essential amino acids, vitamins, other organic compounds, trace minerals, inorganic salts, growth factors, hormones, newborn calf serum, and antibiotics.

Components / Storage

| Product name/Code No. | Size | Quantity | Storage Conditions | Shelf Life |
|--|--------|----------|--------------------|------------|
| Visceral Adipocyte Culture Medium ver.1 (Code: PMC-VACMR-COS) | 250 ml | 1 | -20°C Freezer | 6 months |

Shipping: dry ice

Visceral Adipocyte Culture Medium ver.1 (VACMR) and ver.2 (VACM2)

VACM2 contains more physiological concentration of insulin than VACMR. These medium components are shown in the following.

| Components | VACMR | VACM2 |
|---|--------------|-------------------------------------|
| Inducers such as indomethacin, dexamethason, PPAR- Gamma agonists | — | — |
| Fatty acid | + | + |
| serum | + | + |
| insulin | 10,000 ng/mL | 1 ng/mL |
| Other growth hormones | — | + physiological concentration |

Precautions

This product is for research use only, not for human or diagnostic use

References

- (1) Mineo H, Oda C, Chiji H, Kawada T, Shimizu K, Taira T. Thiazolidinediones exhibit different effects on preadipocytes isolated from rat mesenteric fat tissue and cell line 3T3-L1 cells derived from mice. Cell Biol Int. 2007 Jul;31(7):703-10. Epub 2007 Jan 14.
- (2) Shimizu K, Sakai M, Ando M, Chiji H, Kawada T, Mineo H, Taira T. Newly developed primary culture of rat visceral adipocytes and their in vitro characteristics. Cell Biol Int. 2006 Apr;30(4):381-8. Epub 2006 Mar 10.

Manufactured by **Primary Cell Co., Ltd.**



COSMO BIO Co., LTD.

Inspiration for Life Science

TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

URL: <http://www.cosmobio.com>

e-mail: export@cosmobio.co.jp

[Outside Japan] Phone : +81-3-5632-9617

[国内連絡先] Phone : +81-3-5632-9610

FAX : +81-3-5632-9618

FAX : +81-3-5632-9619