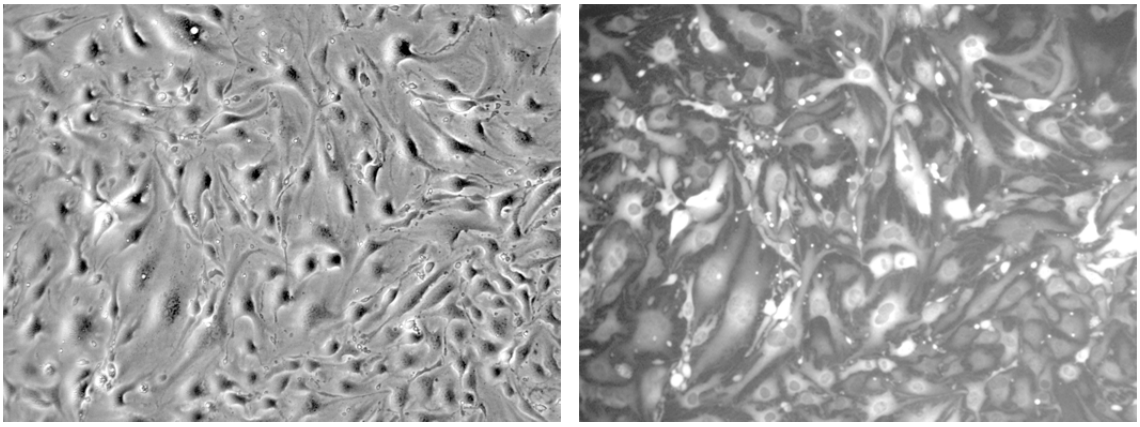
11 Park Drive, Suite 12
Boston, MA 02215

GFP Expressing Mouse Brian Microvascular Endothelial Cells

ORDER INFORMATION

Name of Cells: GFP Expressing Mouse Brian Microvascular Endothelial Cells **(GFP-MBMECs)**
Catalogue Number: **cAP-m0002GFP**
Product Format: Proliferating culture
Cell Number: > 90% confluent in T25 flask

General Information: MBMECs (**cAP-m0002**) were isolated from E18 embryonic brain cortex microvessels of Balb/C mouse and transformed by transfected with SV40 middle T-antigen. GFP-MBMECs were selected from puromycin resistant MBMECs from GFP-expressing lentiviral particles. The cells are shipped in proliferating culture with >90 confluence (the cells are provided @ passage 4-6). DMEM containing 20% FBS is recommended for cell culture.



GPF-MBMECs (Left: Phase contrast image and Right: GFP fluorescent image)

Characterization of the cells
Angiotensin converting enzyme: **>95% positive by immunofluorescence**
Cytoplasmic uptake of Di-I-Ac-LDL: **>95% positive by immunofluorescence**
GFP-MBMECs are negative for mycoplasma.

Product Use: GFP-MBMECs are for research use only.

Shipping: Proliferating culture in T25 flask.

Handling of Arriving Cells

Contact & Ordering Information: Angio-Proteomie, 11 Park Drive, Suite 12, Boston, MA 02215, USA. Fax: (480) 247-4337, angioproteomie@gmail.com

When you receive the cells, leave the flask in 37°C CO2 incubator for 1 hour first, and then replace the transport medium with fresh DMEM medium containing 20% FBS. Let the cells to grow for 24 hour before subculture.

1. Subculture Protocol:

A) Rinse the cells in T25 flask with 5ml PBS (**Room Temperature, RT**) twice.
B) Add 2ml of Trypsin/EDTA (**RT**) (Invitrogen Catalogue number: 25300-062) into T25 flask (make sure the whole surface of the T25 flask is covered with Trypsin/EDTA), and gently dispose the Trpsin/EDTA solution **within 10 seconds** with aspiration.
C) Leave the T25 flask with the cells at **RT** for 1-2 minute (the cells will normally come off the surface within 1 minute).
D) Suspend the cells with 20ml of DMEM containing 20% FBS and the cell suspension is transferred directly into 4 T25 flasks (5ml each, and the cells are subcultured at 1:4 ratio)

2. Cell culture protocol (proliferating):

A) Culture medium (DMEM containing 20% FBS) is changed every other day.
B) The cells normally become confluent within 5-6 days (when split at a 1:4 ratio).