ANGIO-PROTEOMIE

DATA SHEET

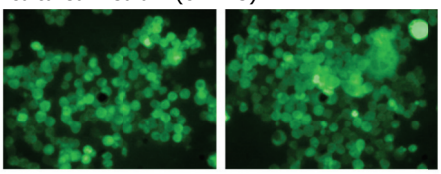
GFP-Expressing Human THP-1 Cell

ORDER INFORMATION

Name of Cells: GFP-Expressing Human THP-1 Cells
Catalogue Number: **cAP-0055GFP**
Product Format: Frozen Vial
Cell Number: >5 x 10^5/vial

General Information

THP-1 cells are isolated and established from human monocytic leukemia of a 1-year old infant. GFP-Expressing human THP-1 Cells (cAP-0055GFP) are selected from THP-1 cells transfected with GFP-SV40 expressing lentiviruses resistant to Blasticidin, and sorted by flowcytometery for GFP positive cells and cloning. The cells are shipped in frozen vials with > 5 x 10^5 cells/vial. GFP-THP-1 cells are with THP-1 cultured medium (cAP-43).



cAP-0055GFP GFP Expressing THP-1 Cells

GFP Expressing Human THP-1 are negative for HIV-1, HBV, HCV, and mycoplasma.

Product Use: GFP Expressing Human THP-1 cells are for Research Use Only.

Shipping: Frozen Vial.

Handling of Arriving Cells

When you receive the cells in a frozen vial, you can transfer the vial of cells into a -80ºC freezer for short period storage or a liquid nitrogen tank for long term storage. Thaw the cells in a 37°C water bath, and then transfer the cells in 10 ml of THP-1 culture medium, after spinning down the cells (1000rpm, 10 mins), cells are resuspended in 5 ml of THP-1 medium and culture at 37°C with 5%CO2 (THP-1 cells are loosely attached to culture surface).

Subculture Protocol

A) Gently hit the T25 culture flasks against the bench surface will loose majority of THP-1 cells from the flask surface.
B) If you need to detach all cells from the flasks, rinse the cells remaining on the flask with 5ml HBSS (**Room Temperature, RT**) twice.
C) Add 2ml of Trypsin/EDTA (**RT**) (cAP-23) into one T25 flask (make sure the whole surface of the T25 flask is covered with Trypsin/EDTA), and gently dispose the excessive Trypsin/EDTA solution **within 20 seconds** with aspiration.
D) Leave the T25 flask with the cells at **RT** for 1 minute (the cells usually will detach from the surface within 1-2 minutes). You can monitor the cells under microscope and when most of cells become rounded up, hit the flask against the bench surface, and the cells will move on the surface of the flask when monitoring under microscope.
E) Add 5ml Trypsin Neutralization Buffer and spin the cells down with 1000rmp for 10 minutes.
F) Re-suspend the cell pellet with 15-20ml of THP-1 medium, and the cell suspension is transferred directly into 3-4 T25 flasks (5ml each, and the cells are sub-cultured at 1:3-4 ratios)
G) Change medium every 2-3 days and cells usually become confluent within 5-7 days.

Related products

THP-1 Cell Culture Medium	cAP-43	500ml	Angio-Proteomie
Quick Coating Solution	cAP-01	240ml	Angio-Proteomie
HBSS w/o Ca^{2+} , Mg^{2+}	cAP-11	100ml	Angio-Proteomie
Cell Freezing Solution (FBS)	cAP-22	50ml	Angio-Proteomie
Cell Freezing Solution (Non-FBS)	cAP-22B	50ml	Angio-Proteomie
Trypsin/EDTA Solution	cAP-23	100ml	Angio-Proteomie
Trypsin Neutralization Solution	cAP-28	100ml	Angio-Proteomie
ITS (100x)	cAP-26	10ml	Angio-Proteomie
L-Glutamine-MAXIMUM (100x)	cAP-27	100ml	Angio-Proteomie
Human Plasma Fibronectin Solution	cAP-42	1mg/ml	Angio-Proteomie

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