



## GFP Human Brain Glioblastoma Cells (LN-18)

---

**Catalog #:** TR05-GFP

**Cell #:** >5x10<sup>5</sup> cells

**Storage:** Liquid Nitrogen until ready for culture.  
While Culturing keep in 37°C CO<sub>2</sub> incubator

**Product Format:** Frozen Vial

---

### GENERAL INFORMATION

Human Brain Glioblastoma Cells (LN-18) were derived from a Human Brain Glioblastoma of a 65-year old Caucasian male. GFP-Human Brain Glioblastoma Cells (LN-18) are selected from the Human Brain Glioblastoma Cells (LN-18) and transfected with GFP expressing lentiviruses resistant to puromycin. Cells are supplied in frozen vials with more than 5 x 10<sup>5</sup> cell/vial. Universal Full Growth Medium (TM001) is recommended to culture the cells.

*Product is for Research use only.*

Frozen Vials are shipped in a Dry Ice Package.

### CHARACTERIZATION OF THE CELLS

Human Brain Glioblastoma cells (LN-18) are tested negative for HIV-1, HBV, HCV, and mycoplasma.

### HANDLING OF ARRIVING CELLS

When you receive the dry ice package with cells in frozen vials, transfer the frozen vials of cells into a -80°C freezer for short period storage or a liquid nitrogen tank for long-term storage.

### PROTOCOL FOR THAWING THE CELLS AND SUBCULTURE

1. Pre-coating of T25 flasks-Add 2 ml each Universal Coating Solution (AC002) into a T25 flask to cover the whole surface of the flask, 5 mins later, dispose the excessive coating solution by aspiration and the flask is ready to be used (although solution containing other extracellular matrix, i.e. gelatin, collagen, and fibronectin, can be used, make sure to optimize the conditions in advance).
2. Thaw the frozen cell vial in a 37°C water bath first, and then transfer the cells into the pre-coated T25 flask with 10 ml of Universal Full Growth Medium (TM001), cells usually become confluent with 5-7 days.
3. To passage the cells, rinse the cells in a T25 flask with 5 ml HBSS (RT) twice; then add 2 ml Universal Detachment Solution (RT) (AD002) into one T25 flask; gently dispose the excessive Universal Detachment Solution within 20 seconds by aspiration.
4. Leave the T25 flask with the cells at RT or 37°C for 1 min. Most cells usually will detach from the surface within 1-2 mins. Otherwise, monitor the cells under a microscope until most of cells become rounded up, and then gently tap the flask against the bench surface, and the cells will move on the surface of the flask.
5. Add 5 ml Universal Neutralization Buffer (NB001) and spin down the cells with 800 g centrifugation for 5 mins.

### FOR RESEARCH USE ONLY

NEUROMICS REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RISKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. v1-09809

[www.neuromics.com](http://www.neuromics.com)

Neuromics Antibodies • 5325 West 74<sup>th</sup> Street, Suite 8 • Edina, MN 55439  
phone 866-350-1500 • fax 612-677-3976 • e-mail [pshuster@neuromics.com](mailto:pshuster@neuromics.com)

6. Re-suspend the cell pellet with 10 or 15 ml Universal Full Growth Medium and transfer 5 ml each into 2 or 3 pre-coated T25 flasks (for 1/2 to 1/3 subculture ratio).
7. Change medium every 2 or 3 days and the cells usually become confluent within 7 days (when split at a 1/3 ratio).

### FOR RESEARCH USE ONLY

NEUROMICS REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RISKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. v1-09809

**[www.neuromics.com](http://www.neuromics.com)**

Neuromics Antibodies • 5325 West 74<sup>th</sup> Street, Suite 8 • Edina, MN 55439  
phone 866-350-1500 • fax 612-677-3976 • e-mail [pshuster@neuromics.com](mailto:pshuster@neuromics.com)