NEUROMICS

LN-319 Cells

Catalog #: LN001

Storage: Liquid Nitrogen until ready for culture. While Culturing keep in 37°C CO₂ incubator **Cell #:** >5x10⁵ cells

Product Format: Frozen Vial

GENERAL INFORMATION

LN-319 cells are human brain epithelial cancer cells. LN-319 were derived from a left malignant glioma of a 69 year old Caucasian male with anaplastic astrocytoma grade III. It is recommended to culture these cells following the protocols described below. LN-319 cells have a minimum of 40 population doubling levels when cultured using our protocol.

Product is for Research use only.

Frozen Vials are shipped in a Dry Ice Package.

STATEMENT

Handling human tissue derived products is potentially bio-hazardous, despite testing negative for HIV, HBV, and HCV DNA. Nonetheless, proper precautions must be taken to avoid inadvertent exposure.

SPECIAL NOTES:

- We strongly advise our customers to use medium and related products recommended by Neuromics, because our cells were grown and adapted using our products.
- The growth featured of our cells cannot be guaranteed if the specific growth mediums stated in our datasheets are not used.
- Due to the sensitive nature of primary cells and cell lines, all quality related issues about the cells must be reported back to us within one month after receiving the products. Cells will not be replaced after the one-month period.

CHARACTERIZATION OF THE CELLS

- 1. Cytoplasmic VWF/Factor VIII >95% positive by immunofluorescence
- 2. Cytoplasmic uptake of Di-I-Ac-LDL >95% positive by immunofluorescence
- 3. Cytoplasmic PECAM1 >95% positive by immunofluorescence

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.

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 CONTROL HEREIN OR OTHERWISE, AND ALL SUCH REVENTED EVENTS ARE MERELY DISCLAIM ALL WARRANTIES OF MERCHANTABULITY AND FITNESS FOR A PARTICULAR PURPOSE. v1-09809

www.neuromics.com

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STR PROFILE

X,Y
10
16, 17
11
9
12
12
11, 12
14, 19
30, 31
19, 26
9, 13
15, 17

PROTOCOL FOR THAWING THE CELLS AND SUBCULTURE

- Pre-coating of T25 flasks-Add 2 ml of Alphabiocoat (AC001) into a T25 flask to cover the whole surface of the flask. 5 minutes later, remove excessive coating solution by aspiration. Add 5 ml of neutralization solution (NS001) to the flask. Dispose the excessive neutralization solution by aspiration and the is ready for use.
- 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 LN-319 Growth Medium (CCM001), cells usually become confluent with 1-2 days and ready to be passaged.
- 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 800g centrifugation for 5 mins.
- Re-suspend the cell pellet with 10 or 15 ml 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).
- To prepare quiescent cells, when cells are nearly confluent, replace with LN-319 Basal Medium (CCM002) containing 2% FBS for about 8-12hrs.

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