CNE1(High Differentiation)

CSI395Hu11

Instruction manual

FOR RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

2nd Edition (Revised in Apr, 2025)

[DESCRIPTION]

CNE1 cell line was established in collaboration with Chinese Academy of Medical Sciences and Zhongshan Medical College. In August 1975, cell lines were established from biopsies of nasopharyngeal masses from a 58-year-old female nasopharyngeal carcinoma patient. The patient was diagnosed as nasopharyngeal carcinoma before operation and highly differentiated squamous cell carcinoma by pathology. After 10 days of tissue culture, epithelioid cells began to appear around a few tissues. After the 12th generation, spindle cells began to appear in the epithelioid cells. All epithelioid cells were then selected for passage, called CNE (i.e. CNE1) cell lines

Synonyms: CNE1
Organism: Homo sapiens, human
Tissue Source: Nasopharynx
Disease: Nasopharynx cancer, Highly differentiated squamous cell carcinoma
Gender: Female
Age: 58 years
Cell Type: Epithelial
Growth Properties: Adherent

[PROPERTIES]

Cell activity: >85% (Viability by Trypan Blue Exclusion).
Formulation: Frozen 1 mL or T25 flask.
Biosafety: Negative for HIV-1, HBV, HCV, mycoplasma, bacteria, yeast and fungi.
Applications: For research use only. It is not approved for human or animal use, or for application in clinical diagnostic procedures.
Size: >5×10^5cell/vial

[STORAGE]

Upon receiving, directly and immediately transfer the cells from dry ice to liquid nitrogen and keep the cells in liquid nitrogen until they are needed for experiments.
Form & Buffer: Supplied as solution form in frozen stock solution, containing 50% base medium +40%FBS+10%DMSO.
Storage conditions: liquid nitrogen

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[USAGE]

Culture conditions:

Complete growth medium：RPMI-1640+10%FBS+1%Penicillin-Streptomycin Solution

Temperature: 37℃

Condition: 95% air, 5% carbon dioxide

Cell recovery:

1. Thaw the vial by gentle agitation in a 37°C water bath. To reduce the possibility of contamination, keep the cap out of the water. The thawing time is about 2 minutes.
2. Remove the vial from the water bath as soon as the contents are thawed, and decontaminate by spraying with 75% ethanol. All of the operations from this point on should be carried out under strict aseptic conditions.
3. Transfer the vial contents to a centrifuge tube containing 9.0mL complete culture medium. and spin at approximately 1000 rpm for 5 minutes.
4. Resuspend cell pellet with the recommended complete medium . and dispense into a T25 culture flask.
5. Incubate the culture at 37°C, 5% CO_2 in a suitable incubator.

Cell passage:

1. Cell passage when cell growth at 85-95%.
2. Remove and discard culture medium and wash with PBS 1-2 times.
3. Add 1.0 mL of Trypsin-EDTA solution to flask and observe cells under an inverted microscope until cell layer is dispersed (usually within 2 to 3 minutes. Cells that are difficult to detach may be placed at 37°C to facilitate dispersal). Stop digestion by adding 2-3 ml of complete medium containing 10% serum. Make it a single cell suspension.
4. Add the fresh medium to resuspend the cells. Unless otherwise stated, the recommended ratio of primary cells is 1/3-1/4.

[Shipping]

Dry ice.

[IMPORTANTNOTE]

1. The cell is for research use only, and we will not be responsible for any issue if the cell was used in clinical diagnostic or any other procedures.
2. Read the instructions carefully, and keep and operate in strict accordance with the instructions.
3. After cell recovery, please take regular microscopic examination and photos to record the growth status of cells.
4. If you observe abnormalities or have questions about cell culture operations, please contact us in time.

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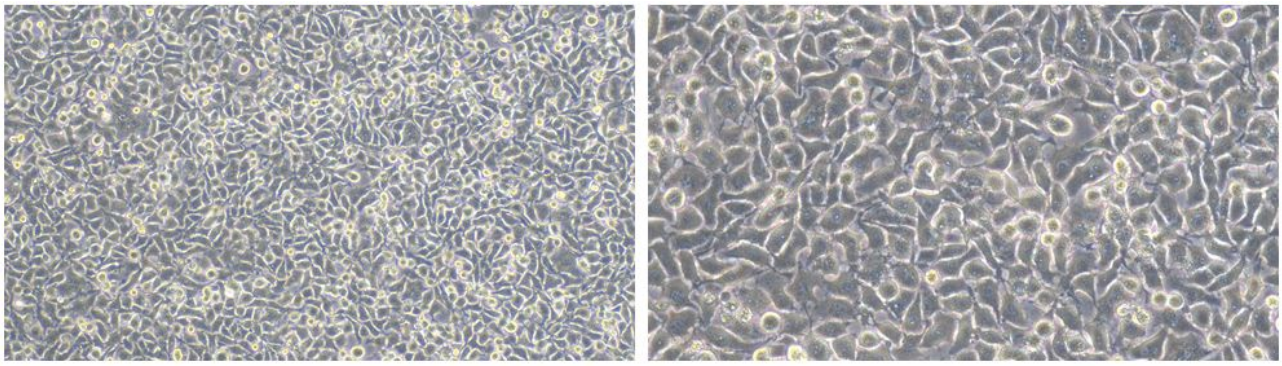
[Figure]



Morphology of CNE1 (Optical microscope,100x, 200x)

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