

## PRODUCT DATA SHEET

**PRODUCT:** CLTH/EGFR

**CATALOG NUMBER:** CL 01010-CLTH

**SHIPPED IN:** dry ice

**STORAGE:** Liquid nitrogen

**QUANTITY & CONCENTRATION:** 1 mL,  $1 \times 10^7$  cells/mL in DMEM with 10% FBS and 10% DMSO

**ORIGIN:** Human

Original line from human embryonic kidney

### PHYSICAL FORM:

CLTH/EGFR cell lines are provided to customers in vials containing  $>1.0 \times 10^7$  cells/mL

### BACKGROUND/DESCRIPTION

The CLTH/EGFR WT were stably transfected with genomic integration of a plasmid coding for EGFR receptor protein and are expressing Wild Type (WT). The expression of EGFR was confirmed by Western Blotting. The EGFR WT cells are resistant to antibiotics Puromycin used as a selection marker.

### QUALITY CONTROL

This cryovial contains at least  $1.0 \times 10^7$  CLTH /EGFR cells as determined by morphology and viable cell count. The CLTH /EGFR cells are tested free of microbial contamination.

### MEDIUM

Complete Growth Medium: the base medium for this cell line is: DMEM (high glucose) with L-glutamine (catalogue no MED 02001-CLTH) .

To make the complete growth medium, add the following components to the base medium: 10% fetal bovine serum (FBS) (catalogue no MED 02002-CLTH) and 1% Penicillin/streptomycin.

### UNPACKING & STORAGE INSTRUCTIONS

1. Check all containers for leakage or breakage.
2. Thaw the frozen cryovial according to subculturing procedure.
3. Optimally: Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below  $80^{\circ}\text{C}$ , preferably in liquid nitrogen vapor, until ready for use.

## PRODUCT DATA SHEET

### HANDLING PROCEDURE FOR FROZEN CELLS

Establishing CLTH /EGFR Cultures from Frozen Stock

1. Place 10 mL of complete DMEM growth medium in a 50-mL conical tube. Thaw the frozen cryovial of cells within 1–2 minutes by gentle agitation in a 37°C water bath. Decontaminate the cryovial by wiping the surface of the vial with 70% (v/v) ethanol.
2. Transfer the thawed cell suspension to the conical tube containing 10 ml of growth medium.
3. Collect the cells by centrifugation at 1000 rpm for 5 minutes at room temperature. Remove the growth medium by aspiration.
4. Resuspend the cells in the conical tube in 15 mL of fresh growth medium by gently pipetting up and down.
5. Transfer the 15 mL of cell suspension to a T-75 tissue culture flask. Place the cells in a 37°C incubator at 5% CO<sub>2</sub>.
6. Monitor cell density daily. Cells should be passaged when the culture reaches 95% confluence.

### SUBCULTURING PROCEDURE

1. Discard culture medium.
2. Briefly rinse the cell layer with PBS and discard it.
3. Add 1 mL 0.05% (w/v) Trypsin - 0.53 mM EDTA solution to flask and observe cells under an inverted microscope until cell layer is dispersed (usually within 5 minutes). To avoid clumping do not agitate the cells by hitting or shaking the flask while waiting for the cells to detach. Cells that are difficult to detach may be placed at 37°C to facilitate dispersal.
4. Add 6.0 to 8.0 ml of complete growth medium and aspirate cells by gently pipetting.
5. Centrifuge cells 200xg for 5 min and suspend cells in fresh Complete Growth Medium.
6. Add appropriate aliquots of the cell suspension to new culture vessels.
7. Incubate cultures at 37°C, 5% CO<sub>2</sub>

### SAFETY PRECAUTION

Celther Polska Sp. z o.o. highly recommends using protective gloves and clothing and wearing a full face mask always when handling frozen vials. It is important to note that some vials leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. During thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vessel exploding or blowing off its cap with dangerous force creating flying debris.

The product should be handled by trained personnel observing good laboratory practices. It is important to avoid breathing vapor, avoid skin contact or swallowing.

### BIOSAFETY LEVEL: 1



## PRODUCT DATA SHEET

Appropriate safety procedures should always be used with this material. Please check all safety procedures required in your country.

### WASTE DISPOSAL

Celther Polska highly recommends that waste always be returned to special company responsible for utilizing such type of waste.

### CELATHER POLSKA SP. Z O.O. WARRANTY

The viability of Celther Polska products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. Celther Polska outlines the list of media formulation that has been found to be effective for this strain. While other, unspecified media may also give satisfactory results, a change in media or the absence of an additive from the Celther recommended media may cause problems with recovery, growth and/or function of this strain. If an alternative medium formulation is used, the Celther warranty for viability is no longer valid.

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The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide for experienced personnel. Celther Polska shall not be held liable for any damage resulting from the handling or from contact with the above product(s).

### CONTACT INFORMATION

All information relating this product is available via email: [edyta.wodzinska@celther.com](mailto:edyta.wodzinska@celther.com)



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