

Product sheet

**SU-DHL-1 | 305876**

**General Information**

**Description** SU-DHL-1 is a cell line derived from a patient with diffuse large B-cell lymphoma (ALCL) characterized by a t(2;5)(p23;q35) translocation resulting in the fusion of the SU-DHL-1 gene with the ALK gene, leading to the expression of the SU-DHL-1/ALK fusion protein. This cell line is used for studying the pathogenesis and treatment of ALCL.

**Organism** Human

**Tissue** Lymphoid tissue

**Disease** Diffuse large B-cell lymphoma (ALCL)

**Synonyms** SU-DHL1, SUDHL1, SUDHL1, SUDHL-1, SuDHL-1, SuDHL 1

**Characteristics**

**Age** 10 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Large B cells

**Cell type** Lymphocytes

**Growth properties** Cell line

**References**

**Citation** SU-DHL-1 (Cell Culture Resource Project 305876)

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_0538



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**Thawing and Culturing Cells**

1. Thaw the vial rapidly in a 37°C water bath. Do not vortex. Transfer the cells to a pre-warmed medium.
2. Centrifuge at 300 × g for 3 minutes. Wash the cells with PBS. Resuspend in 150 µl of medium.
3. Seed the cells into a 96-well plate (37 µl per well). Incubate at 37°C for 24 hours.
4. Harvest the cells by centrifugation at 300 × g for 3 minutes. Wash with PBS. Resuspend in 70% ethanol.
5. Incubate at 37°C for 15 minutes. Add 8 µl of lysis buffer.
6. Centrifuge at 300 × g for 3 minutes. Transfer the supernatant to a clean vial.
7. Add 10 µl of lysis buffer. Incubate at 37°C for 10 minutes.
8. Store at -150°C for long-term storage.

**Incubation Atmosphere**

37°C, 5% CO<sub>2</sub>

**Flask Coating**

Not required

**Shipping Conditions**

Store at -150°C. Shipping at -150°C to -196°C.

**Storage Conditions**

Store at -150°C to -196°C.

**HLA**

**Sterility**

Not tested for sterility. PCR confirmed.