

Product sheet

HL-60 | 300209

HL-60

Description

HL-60, established from a 36-year-old male patient with acute myeloid leukemia (AML), is a cell line that has been extensively characterized and is widely used in research. HL-60 cells are derived from a patient with AML and are characterized by their ability to differentiate into granulocytic cells. HL-60 cells are highly sensitive to various chemotherapeutic agents, including cytarabine, and are used to study drug resistance mechanisms. HL-60 cells are also used to study the role of MAPK signaling in AML. HL-60 cells are highly sensitive to various chemotherapeutic agents, including cytarabine, and are used to study drug resistance mechanisms.

Organism Human

Tissue Blood

Disease Acute Myeloid Leukemia

Applications Cell Culture, Drug Screening

Synonyms HL 60, HL.60, HL60

HL-60

Age 36 years

Gender Male

Ethnicity Caucasian

Morphology Granulocytic

Cell type Myeloid

Growth properties Adherent

HL-60

Citation HL-60 (ATCC CCL-240) Cytion 300209

HL-60 | 300209

Thawing and Culturing Cells

1. Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ in a humidified atmosphere.
3. Monitor the cells for attachment and growth. Change the medium after 24 hours.
4. Once the cells are established, they can be used for various applications.
5. For long-term storage, seed the cells into a pre-warmed medium. Harvest the cells after 15-20 passages.
6. For cryopreservation, seed the cells into a pre-warmed medium. Harvest the cells after 15-20 passages.
7. For cryopreservation, seed the cells into a pre-warmed medium. Harvest the cells after 15-20 passages.
8. For cryopreservation, seed the cells into a pre-warmed medium. Harvest the cells after 15-20 passages.

Incubation Atmosphere 37°C, 5% CO₂, humidified atmosphere

Flask Coating None

Freezing Procedure Seed cells into a pre-warmed medium. Harvest cells after 15-20 passages.

Shipping Conditions Store at -78°C in a dry ice container.

Storage Conditions Store at -150°C in a liquid nitrogen container.

HL-60 / HLA

Sterility The cells are provided in a sterile, cryoprotected medium. No antibiotics are present.

HL-60 | 300209

HLA

A*: 01:01:01
B*: '57:01:01
C*: 06:02:01
DRB1*: 07:01:01
DQA1*: 02:01:01
DQB1*: 03:03:02
DPB1*: 04:01:01, 13:01:01
E: '01:01:01, '01:09