

Product sheet

U937 | 300368

U937

Description

U937, 1976 is a human myeloid leukemia cell line. It is a continuous cell line derived from a patient with acute myeloid leukemia. The cells are characterized by their ability to differentiate into various myeloid lineages, including granulocytes, monocytes, and erythrocytes. U937 cells are commonly used in research to study the biology of myeloid leukemia and to evaluate the effects of various treatments. The cells are maintained in suspension culture and are highly proliferative.

Organism Human

Disease Acute myeloid leukemia

Metastatic site Various tissues

Synonyms U-937, U 937

U937

Age 37 years

Gender Male

Ethnicity Caucasian

Morphology Granulocytic

Cell type Myeloid

Growth properties Suspension

U937

Citation U937 (Cytion 300368)

Biosafety level 1

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Thawing and Culturing Cells

1. Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to warm to 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 until the cells reach 70-80% confluency.
3. Harvest the cells by trypsinization. Seed the cells into a pre-warmed medium at 37°C with 5% CO₂.
4. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ until the cells reach 70-80% confluency.
5. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ until the cells reach 70-80% confluency.
6. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ until the cells reach 70-80% confluency.
7. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ until the cells reach 70-80% confluency.
8. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ until the cells reach 70-80% confluency.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

None

Freezing Procedure

Resuspend cells in freezing medium. Freeze cells in a controlled rate freezer at -1°C/min to -78°C.

Shipping Conditions

Store cells at -78°C. Ship cells on dry ice.

Storage Conditions

Store cells at -150°C for up to 196 weeks.

HLA

Sterility

Cells are tested for sterility using PCR. No contamination was detected. Cells are free of mycoplasma and other contaminants.

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HLA

A*: 03:XX, 31:14N

B*: '18:01:01, '51:01:01

C*: '01:02:01, '07:01:01

DRB1*: 14:54:01, 16:01:01

DQA1*: 01:02:02, 01:04:01

DQB1*: 05:02:01, 05:03:01

DPB1*: '03:01:01, '05:01:01

E: '01:03:02, '01:06:01