

Product sheet

KG-1 | 300208

General Information

Description	KG-1 is a primary culture of human acute myeloid leukemia (AML) cells, established from a patient with acute myeloid leukemia. The cells are characterized by the presence of myeloid markers and are used for research in leukemia biology and drug development.
Organism	Human
Tissue	Leukemia
Disease	Acute Myeloid Leukemia (AML)
Synonyms	KG1

Cell Characteristics

Age	59 years
Gender	Male
Ethnicity	White
Cell type	Leukemia cells
Growth properties	Adherent

Identification and Accession

Citation	KG-1 (Cytion 300208)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0374

Additional Information

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Thawing and Culturing Cells

1. Thaw the vial quickly 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 flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
3. After 24 hours, check the cell density. If the density is low, add more cells to reach a density of approximately 1 x 10⁵ cells/mL.
4. When the cells reach a density of approximately 1 x 10⁶ cells/mL, passage them into a new flask.
5. Repeat the passage process every 2-3 days to maintain the cell density.
6. For long-term storage, harvest the cells and freeze them in liquid nitrogen.
7. Thaw the cells quickly in a water bath at 37°C and seed them into a pre-warmed flask.
8. Monitor the cell growth and passage them as needed.

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

Flask Coating None

Freezing Procedure Harvest cells and freeze in liquid nitrogen

Shipping Conditions Dry ice, -78°C

Storage Conditions -150°C, 196 K

HLA

Sterility Sterile, PCR negative