

Product sheet

KG-1a | 300234

General Information

Description	KG-1a is a human cell line derived from a patient with Acute Myeloid Leukemia (AML). It is characterized by the presence of CD34, CD38, and HLA-DR markers. The cell line is maintained in suspension culture and is used for research purposes.
Organism	Human
Tissue	Leukemia
Disease	Acute Myeloid Leukemia (AML)
Synonyms	KG-1A, KG1A, KG1a

Cell Line Characteristics

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

Identification and Safety

Citation	KG-1a (ATCC CCL-246) Cytion 300234
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1824

Additional Information

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Thawing and Culturing Cells

1. Thaw the vial 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. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium. Seed the cells into a 96-well plate.
3. Incubate the cells at 37°C in 5% CO₂. The cells should reach 70% confluency within 7-10 days.
4. Harvest the cells by trypsinization. Seed the cells into a new 96-well plate.
5. Repeat the process for subsequent passages.
6. For long-term storage, freeze the cells in liquid nitrogen.
7. Thaw the cells in a water bath at 37°C.
8. Seed the cells into a pre-warmed medium.

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

Flask Coating None

Freezing Procedure Harvest cells by trypsinization. Resuspend cells in 15 µl of freezing medium. Freeze cells in liquid nitrogen.

Shipping Conditions Store cells at -78°C.

Storage Conditions Store cells at -150°C for up to 196 days.

HLA

Sterility The cells are free of mycoplasmas and PCR detectable. The cells are free of endotoxins.