

Product sheet

AR42J | 500478

AR42J

Description

AR42J is a cell line derived from a patient with acute myeloid leukemia (AML). It is characterized by a high degree of genetic heterogeneity and is used as a model for studying drug resistance in AML. The cell line is maintained in suspension culture and is highly sensitive to chemotherapy. AR42J cells are derived from a patient with acute myeloid leukemia (AML) and are characterized by a high degree of genetic heterogeneity. The cell line is used as a model for studying drug resistance in AML. AR42J cells are derived from a patient with acute myeloid leukemia (AML) and are characterized by a high degree of genetic heterogeneity. The cell line is used as a model for studying drug resistance in AML.

Organism Human

Tissue Bone marrow, Blood

Disease Acute myeloid leukemia

Synonyms AR4-2J, AR-42J

AR42J

Morphology Adherent

Growth properties AR42J cells are highly sensitive to chemotherapy and are used as a model for studying drug resistance in AML. The cell line is maintained in suspension culture and is highly sensitive to chemotherapy.

AR42J

Citation AR42J (ATCC CCL-101) | Cytion 500478

Biosafety level 1

NCBI_TaxID 10116

CellosaurusAccession CVCL_0143

AR42J

Receptors expressed CD33, CD123, CD34, CD45, CD56, CD117, CD133, CD138, CD151, CD152, CD153, CD154, CD155, CD156, CD157, CD158, CD159, CD160, CD161, CD162, CD163, CD164, CD165, CD166, CD167, CD168, CD169, CD170, CD171, CD172, CD173, CD174, CD175, CD176, CD177, CD178, CD179, CD180, CD181, CD182, CD183, CD184, CD185, CD186, CD187, CD188, CD189, CD190, CD191, CD192, CD193, CD194, CD195, CD196, CD197, CD198, CD199, CD200, CD201, CD202, CD203, CD204, CD205, CD206, CD207, CD208, CD209, CD210, CD211, CD212, CD213, CD214, CD215, CD216, CD217, CD218, CD219, CD220, CD221, CD222, CD223, CD224, CD225, CD226, CD227, CD228, CD229, CD230, CD231, CD232, CD233, CD234, CD235, CD236, CD237, CD238, CD239, CD240, CD241, CD242, CD243, CD244, CD245, CD246, CD247, CD248, CD249, CD250, CD251, CD252, CD253, CD254, CD255, CD256, CD257, CD258, CD259, CD260, CD261, CD262, CD263, CD264, CD265, CD266, CD267, CD268, CD269, CD270, CD271, CD272, CD273, CD274, CD275, CD276, CD277, CD278, CD279, CD280, CD281, CD282, 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CD998, CD999, CD1000.

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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 reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed medium. Incubate at 37°C in 5% CO₂ atmosphere.
3. After 24 hours, check the cells for attachment. If the cells do not attach, try increasing the seeding density.
4. Once the cells are attached, change the medium to fresh pre-warmed medium.
5. After 48 hours, check the cells for growth. If the cells do not grow, try increasing the seeding density.
6. Once the cells are growing, passage the cells into a new flask.
7. After 72 hours, check the cells for growth. If the cells do not grow, try increasing the seeding density.
8. Once the cells are growing, passage the cells into a new flask.

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

Flask Coating Cell culture medium, 10% FBS

Freezing Procedure Harvest cells, wash with PBS, resuspend in freezing medium, freeze at -80°C

Shipping Conditions Store at -80°C, ship on dry ice

Storage Conditions Store at -150°C, 196 K

Genotype / HLA

Sterility Sterilize cells, use sterile medium and equipment