

Product sheet

AT-1 | 500121

AT-1

Description AT-1 is a human cell line derived from a patient with acute myeloid leukemia (AML) R3327. It is a myelomonocytic leukemia cell line established by Dunning, et al. (1978). AT-1 is a myelomonocytic leukemia cell line established by Dunning, et al. (1978).

Organism Human

Tissue Leukemia

Disease Acute Myeloid Leukemia

Synonyms R-3327-AT-1, AT1, AT-1-TC, AT-1, R3327-AT1

AT-1

Morphology Myelomonocytic leukemia cell line

Growth properties AT-1 cells are myelomonocytic leukemia cells that grow in suspension culture. They are characterized by their ability to form colonies in liquid culture and their sensitivity to various growth factors.

AT-1

Citation AT-1 (AT-1) Cytion 500121

Biosafety level 1

NCBI_TaxID 10116

CellosaurusAccession CVCL_3568

AT-1

Tumorigenic AT-1 cells are tumorigenic in immunodeficient mice.

AT-1

Culture Medium RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (AT-1) Cytion 820700a

Product sheet

AT-1 | 500121

Supplements	10% FBS
Dissociation Reagent	
Subculturing	1. Add 1 ml of dissociation reagent to the well. 2. Incubate for 5 minutes at 37°C. 3. Add 1 ml of PBS and pipette up and down to dissociate the cells. 4. Transfer the cell suspension to a new well. 5. Add 1 ml of fresh medium.
Seeding density	1×10^4 cells/cm ²
Fluid renewal	2-3 times per week
Post-Thaw Recovery	1. Thaw the vial in a 37°C water bath. 2. Add 1 ml of PBS and pipette up and down. 3. Transfer the cells to a new well. 4. Add 1 ml of fresh medium. 5. Incubate for 48 hours.
Freeze medium	DMEM + 10% FBS + 10% DMSO
Thawing and Culturing Cells	<ol style="list-style-type: none">1. Thaw the vial in a 37°C water bath.2. Add 1 ml of PBS and pipette up and down.3. Transfer the cells to a new well.4. Add 1 ml of fresh medium.5. Incubate for 15 minutes at 37°C.6. Add 1 ml of fresh medium.7. Incubate for 10 minutes at 37°C.8. Add 1 ml of fresh medium.
Incubation Atmosphere	37°C, 5% CO ₂

Product sheet

AT-1 | 500121

Flask Coating
The flask is coated with a thin layer of polypropylene. The coating is designed to be compatible with a wide range of cell lines and media. The coating is stable and does not leach into the media.

Freezing Procedure
The cells should be harvested and resuspended in a suitable freezing medium. The suspension should be aliquoted into cryovials and stored at -78°C.

Shipping Conditions
The cells should be shipped in a suitable shipping container, such as a dry ice container, and stored at -78°C.

Storage Conditions
The cells should be stored at -150 to 196 °C in a suitable storage container.

AT-1 / AT-1 / HLA

Sterility
The cells are supplied in a sterile, single-use format. The cells are free of mycoplasma and other contaminants. The cells are also free of endotoxins and other impurities.