

Product sheet

A875 | 305099

General Information

Description	A875 is a cell line derived from a 40-year-old male patient with acute myeloid leukemia (AML). It is characterized by a t(8;21) translocation resulting in a fusion gene (FETC1-MLL2). The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. It is a myelomonocytic leukemia cell line.
Organism	Human
Tissue	Leukemia
Disease	Acute Myeloid Leukemia (AML)
Synonyms	A-875

Cell Culture

Age	40 years
Gender	Male
Morphology	Granulocytic leukemia cells
Growth properties	Adherent

References and Safety

Citation	A875 (ATCC CCL-245) Cytion 305099
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_4733

Ordering Information

Contact

HEK293T A875 | 305099

Culture Medium DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM sodium pyruvate (all from Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Seed cells into 25 cm² flasks with 100 mL DMEM + 10% FBS. When cells reach 70-80% confluency, trypsinize and seed into new flasks.

Fluid renewal 2-3 times per week

Freeze medium DMEM + 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw vials in a 37°C water bath, then transfer cells to a 15 mL centrifuge tube.
 2. Centrifuge at 300 x g for 3 minutes, remove supernatant, and resuspend in 10 mL DMEM + 10% FBS.
 3. Seed cells into a 25 cm² flask with 100 mL DMEM + 10% FBS.
 4. Allow cells to recover for 24-48 hours before starting experiments.
 5. Monitor cell growth and confluency.
 6. When cells reach 70-80% confluency, trypsinize and seed into new flasks.
 7. Repeat the process for subsequent passages.
 8. Maintain cells in DMEM + 10% FBS.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

Freezing Procedure Harvest cells into a 15 mL centrifuge tube, centrifuge at 300 x g for 3 minutes, remove supernatant, and resuspend in 1 mL DMEM + 10% FBS + 10% DMSO. Freeze at -80°C.

