

AML12 | 300643

Key Information

<b>Description</b>	AML12, Alpha Mouse Liver 12, TGF- $\alpha$
<b>Organism</b>	Mouse
<b>Tissue</b>	Liver
<b>Applications</b>	Transfection, Reporter gene expression, Gene silencing
<b>Synonyms</b>	AML-12, AML 12, Alpha Mouse Liver 12

Characteristics

<b>Breed/Subspecies</b>	CD-1 MT42
<b>Age</b>	3 weeks
<b>Gender</b>	Male
<b>Morphology</b>	Normal
<b>Cell type</b>	Primary
<b>Growth properties</b>	Adherent

Documentation

<b>Citation</b>	AML12 (Cytion 300643)
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	10090
<b>CellosaurusAccession</b>	CVCL_0140
<b>GMO Status</b>	GMO-S1: AML12 (TGF- $\alpha$ )

Product sheet

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Cell Line

**Products** TGF- $\beta$ 1, TGF- $\beta$ 2, TGF- $\beta$ 3

Media

**Culture Medium** DMEM:Ham's F12 (1:1), w: 3.1 g/L D-glucose, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM sodium pyruvate, w: 1.2 g/L NaHCO<sub>3</sub> 820400a

**Supplements** 10% FBS, 10 ng/ml TGF- $\beta$ 1, 5 ng/ml TGF- $\beta$ 2, 5 ng/ml TGF- $\beta$ 3, 40 ng/ml insulin

**Dissociation Reagent** Trypsin

**Subculturing** Cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS, 10 ng/ml TGF- $\beta$ 1, 5 ng/ml TGF- $\beta$ 2, 5 ng/ml TGF- $\beta$ 3, and 40 ng/ml insulin. Cells are passaged every 3-5 days.

**Freeze medium** DMEM:Ham's F12 (1:1) supplemented with 10% FBS and 10% DMSO

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath.
2. Dilute cells into DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
3. Seed cells into a 25 cm<sup>2</sup> flask.
4. Allow cells to reach 70% confluency.
5. Seed cells into a 96-well plate.
6. Seed 300 x g cells into 3 wells.
7. Seed 10 x g cells into 10 wells.
8. Seed 10 x g cells into 10 wells.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

