



**CLS-ACI-1 | 500459**

<b>Oncogenes</b>	Mycln.
<b>Tumorigenic</b>	ACI-rat
<b>Karyotype</b>	88.4% 51-69, 5% 38-50, 6.6%
<b>Culture Medium</b>	
<b>Culture Medium</b>	DMEM:Ham's F12 (1:1), w: 3.1 g/L, w: 2.5 mM L-, w: 15 mM HEPES, w: 0.5 mM, w: 1.2 g/L NaHCO <sub>3</sub> 820400a)
<b>Supplements</b>	10% FBS
<b>Dissociation Reagent</b>	
<b>Subculturing</b>	15' PBS (3-5' )
<b>Seeding density</b>	$2 \times 10^4$ -6 7
<b>Fluid renewal</b>	3 5
<b>Post-Thaw Recovery</b>	4, 24
<b>Freeze medium</b>	(FBS) + 10% DMSO

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**Thawing and Culturing Cells**

1. Thaw the cells in a water bath at 37°C. Do not shake the vial. Transfer the cells to a centrifuge tube and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a 25 cm<sup>2</sup> flask containing 10 ml of complete medium.
2. Incubate the cells in a humidified CO<sub>2</sub> incubator at 37°C and 5% CO<sub>2</sub>. Monitor the cells daily under a microscope. When the cells reach 70-80% confluency, passage them.
3. For passage, trypsinize the cells and transfer them to a centrifuge tube. Centrifuge at 300 x g for 5 minutes. Resuspend the cells in 10 ml of complete medium and seed them into a new 25 cm<sup>2</sup> flask.
4. The cells should reach confluency within 3-5 days. If the cells do not reach confluency, check the medium and incubation conditions.
5. For cryopreservation, trypsinize the cells and transfer them to a centrifuge tube. Centrifuge at 300 x g for 5 minutes. Resuspend the cells in 1 ml of freezing medium and transfer to a cryovial.
6. Store the cryovial in a liquid nitrogen vapor phase. For thawing, transfer the vial to a 37°C water bath and thaw quickly. Do not shake the vial.
7. Transfer the cells to a centrifuge tube and centrifuge at 300 x g for 5 minutes. Resuspend the cells in 10 ml of complete medium and seed them into a 25 cm<sup>2</sup> flask.
8. The cells should reach confluency within 3-5 days. If the cells do not reach confluency, check the medium and incubation conditions.

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

**Flask Coating** Cell culture flasks are pre-coated with poly-L-lysine.

**Freezing Procedure** Cells are cryopreserved in a freezing medium and stored in a liquid nitrogen vapor phase at -78°C.

**Shipping Conditions** Cells are shipped in a freezing medium and stored in a liquid nitrogen vapor phase at -78°C.

**Storage Conditions** Cells are stored in a freezing medium at -150°C for up to 196 months.

HLA

**Sterility** Cells are tested for mycoplasma contamination using PCR. The cells are free of mycoplasma contamination.