

Human wild-type A549 cell line ab259777

Overview

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|---------------------------|---|
| Product name | Human wild-type A549 cell line |
| Parental Cell Line | A549 |
| Organism | Human |
| Passage number | <20 |
| Biosafety level | 1 |
| General notes | Wild-type cell lines are sold with knockout cell lines only - not available for individual purchase. |

Cryopreservation cell medium: Cell Freezing Medium-DMSO Serum free media, contains 8.7% DMSO in MEM supplemented with methyl cellulose.

Culture medium: DMEM:Hams F12 + 5% FBS

Initial handling guidelines: Upon arrival, the vial should be stored in liquid nitrogen vapor phase and not at -80°C. Storage at -80°C may result in loss of viability.

1. Thaw the vial in 37°C water bath for approximately 1-2 minutes.
2. Transfer the cell suspension (0.8 mL) to a 15 mL/50 mL conical sterile polypropylene centrifuge tube containing 8.4 mL pre-warmed culture medium, wash vial with an additional 0.8 mL culture medium (total volume 10 mL) to collect remaining cells, and centrifuge at 201 x g (rcf) for 5 minutes at room temperature. 10 mL represents minimum recommended dilution. 20 mL represents maximum recommended dilution.
3. Resuspend the cell pellet in 5 mL pre-warmed culture medium and count using a haemocytometer or alternative cell counting method. Based on cell count, seed cells in an appropriate cell culture flask at a density of 2×10^3 - 1×10^4 cells/cm². Seeding density is given as a guide only and should be scaled to align with individual lab schedules.
4. Incubate the culture at 37°C incubator with 5% CO₂. Cultures should be monitored daily.

Subculture guidelines:

All seeding densities should be based on cell counts gained by established methods.

A guide seeding density of 6×10^4 cells/cm² is recommended.

A partial media change 24 hours prior to subculture may be helpful to encourage growth, if required.

Cells should be passaged when they have achieved 80-90% confluence.

Do not exceed 7×10^4 cells/cm².

We will provide viable cells that proliferate on revival.

Properties

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|-----------------------------|--|
| Number of cells | 1 x 10 ⁶ cells/vial, 1 mL |
| Adherent /Suspension | Adherent |
| Tissue | Lung |
| Cell type | epithelial |
| Disease | Carcinoma |
| Gender | Male |
| Mycoplasma free | Yes |
| Storage instructions | Shipped on Dry Ice. Store in liquid nitrogen. |
| Storage buffer | Constituents: 8.7% Dimethylsulfoxide, 2% Cellulose, methyl ether |

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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