

A549/GFP Cell Line

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CATALOG #
AAA11415

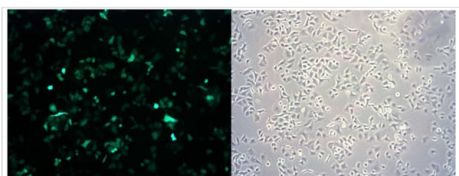
PRODUCT SYNONYMS

A549/GFP; A549/GFP Cell Line; A549/GFP cell line

PRODUCT SPECIFICATIONS

Concentration	1 mL, 1×10^6 cells/mL in 70% DMEM, 20% FBS, 10% DMSO (varies by lot)
Quality Control	This cryovial contains at least 1.0×10^6 A549/GFP cells as determined by morphology, trypan-blue dye exclusion, and viable cell count. The A549/GFP cells are tested free of microbial contamination.
Medium	- Culture Medium: D-MEM (high glucose), 10% fetal bovine serum (FBS), 0.1 mM MEM Non-Essential Amino Acids (NEAA), 2 mM L-glutamine, 1% Pen-Strep. - Freeze Medium: 70% DMEM, 20% FBS, 10% DMSO.
Methods	Establishing A549/GFP Cultures from Frozen Cells - Place 10 mL of complete DMEM or McCoy's 5A growth medium in a 50-mL conical tube. Thaw the frozen cryovial of cells within 1-2 minutes by gentle agitation in a 37°C water bath. Decontaminate the cryovial by wiping the surface of the vial with 70% (v/v) ethanol. - Transfer the thawed cell suspension to the conical tube containing 10 ml of growth medium. - Collect the cells by centrifugation at 1000 rpm for 5 minutes at room temperature. Remove the growth medium by aspiration. - Resuspend the cells in the conical tube in 15 mL of fresh growth medium by gently pipetting up and down. - Transfer the 15 mL of cell suspension to a T-75 tissue culture flask. Place the cells in a 37°C incubator at 5% CO₂. - Monitor cell density daily. Cells should be passaged when the culture reaches 95% confluence.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Liquid nitrogen <i>Note: For best results begin culture of cells immediately upon receipt. If this is not possible, store at -80°C until first culture. Store subsequent cultured cells long term in liquid nitrogen.</i> Shipping Note: Product is available for shipment in the United States, Canada and European countries. Please inquire for shipment to other countries.

IMAGES



IF (Immunofluorescence)

Figure 1. A549/GFP Cell Line. Left: GFP Fluorescence; Right: Phase Contrast

ADDITIONAL INFORMATION

Related Product Information for A549/GFP cell line	Background: The A549 cell line was first developed in 1972 through the removal and culturing of cancerous lung tissue in the explanted tumor of 58-year-old male. A549 cells are human alveolar basal epithelial cells. They are squamous in nature and responsible for the diffusion of substances across the alveoli of lungs. In vitro they grow adherently as a monolayer, and in vivo they induce tumors in athymic mice. A549 cells could synthesize lecithin with a high percentage of desaturated fatty acids utilizing the cytidine diphosphocholine pathway. Our A549/GFP cell line stably expresses GFP; the gene was introduced using lentivirus.
Product Categories/Family for A549/GFP cell line	Cell Signaling and Protein Biology ; Reporter Assays ; Cells and Reagents ; Reporter Stable Cell Lines

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cell-line/a549-gfp/11415>