

293/GFP Cell Line

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CATALOG #
AAA44618

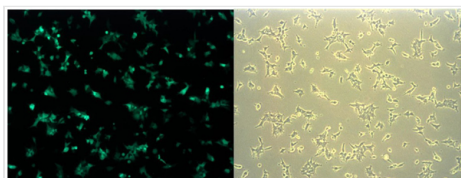
PRODUCT SYNONYMS

293/GFP; 293/GFP Cell Line; 293/GFP cell line

PRODUCT SPECIFICATIONS

Concentration	1 mL, 1 x 10 ⁶ cells/mL in 70% DMEM, 20% FBS, 10% DMSO (varies by lot)
Methods	Establishing 293/GFP Cultures from Frozen Cells 1. Place 10 mL of complete DMEM growth medium in a 50-mL conical tube. Thaw the frozen cryovial of cells within 1-2 minutes by gentle agitation in a 37 degree C water bath. Decontaminate the cryovial by wiping the surface of the vial with 70% (v/v) ethanol. 2. Transfer the thawed cell suspension to the conical tube containing 10 ml of growth medium. 3. Collect the cells by centrifugation at 1000 rpm for 5 minutes at room temperature. Remove the growth medium by aspiration. 4. Resuspend the cells in the conical tube in 15 mL of fresh growth medium by gently pipetting up and down. 5. Transfer the 15 mL of cell suspension to a T-75 tissue culture flask. Place the cells in a 37 degree C incubator at 5% CO₂. 6. Monitor cell density daily. Cells should be passaged when the culture reaches 95% confluence.
Medium	1. 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, (optional) 10 ug/mL Blasticidin. 2. Freeze Medium: 70% DMEM, 20% FBS, 10% DMSO.
Quality Control	This cryovial contains at least 1.0 x 10 ⁶ 293/GFP cells as determined by morphology, trypan-blue dye exclusion, and viable cell count. The 293/GFP cells are tested free of microbial contamination.
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 Note: For best results begin culture of cells immediately upon receipt. If this is not possible, store at -80 degree C until first culture. Store subsequent cultured cells long term in liquid nitrogen. Dry Ice Shipment: Extra charge fee may add to your shipping cost as dry ice is required to ship this product. Shipping Note: Product is available for shipment in the United States, Canada and European countries. Please inquire for shipment to other countries.

IMAGES



Application Data

Figure 1. 293/GFP Cell line. Left: GFP Fluorescence Right: Phase Contrast

ADDITIONAL INFORMATION

Related Product Information for 293/GFP cell line	The 293 cell line is a permanent line established from primary embryonic human kidney transformed with human adenovirus type 5 DNA. The genes encoded by the E1 region of adenovirus (E1a and E1b) are expressed in these cells and participate in transactivation of viral promoters, allowing these cells to produce high levels of protein. E1 also complements the E1-deletion in recombinant adenoviral vectors, allowing viral replication. Our 293/GFP cell line stably expresses GFP and blasticidin-resistant genes. Both GFP and blasticidin-resistant genes are introduced into parental 293 cells using lentivirus.
Product Categories/Family for 293/GFP cell line	Cell Signaling and Protein Biology; Reporter Assays; Cells and Reagents; Reporter Stable Cell Lines
References	Irvine, S. A. et al. (2015). Printing cell-laden gelatin constructs by free-form fabrication and enzymatic protein crosslinking. Biomed Microdevices. 17:1-8.

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/293-gfp/44618>