

## HeLa/GFP Cell Line

HeLa/GFP Cell Line

CATALOG #  
**AAA11424**

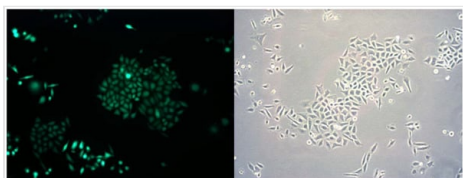
### PRODUCT SYNONYMS

HeLa/GFP; HeLa/GFP Cell Line; HeLa/GFP cell line

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Concentration           | 1 mL, 1 x 10 <sup>6</sup> cells/mL in 70% DMEM, 20% FBS, 10% DMSO (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Methods                 | <p>Establishing HeLa/GFP Cultures from Frozen Cells</p> <ol style="list-style-type: none"> <li>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.</li> <li>2. Transfer the thawed cell suspension to the conical tube containing 10 ml of growth medium.</li> <li>3. Collect the cells by centrifugation at 1000 rpm for 5 minutes at room temperature. Remove the growth medium by aspiration.</li> <li>4. Resuspend the cells in the conical tube in 15 mL of fresh growth medium by gently pipetting up and down.</li> <li>5. Transfer the 15 mL of cell suspension to a T-75 tissue culture flask. Place the cells in a 37°C incubator at 5% CO<sub>2</sub>.</li> <li>6. Monitor cell density daily. Cells should be passaged when the culture reaches 95% confluence.</li> </ol> |
| Medium                  | <ol style="list-style-type: none"> <li>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.</li> <li>2. Freeze Medium: 70% DMEM, 20% FBS, 10% DMSO.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Quality Control         | This cryovial contains at least 1.0 × 10 <sup>6</sup> HeLa/GFP cells as determined by morphology, trypan-blue dye exclusion, and viable cell count. The HeLa/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 | <p>Liquid nitrogen.</p> <p>Ships on dry ice. 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.</p> <p><b>Dry Ice Shipment:</b> Extra charge fee may add to your shipping cost as dry ice is required to ship this product.</p> <p><b>Shipping Note:</b> Product is available for shipment in the United States, Canada and European countries. Please inquire for shipment to other countries.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

### IMAGES



#### Application Data

HeLa/GFP Cell Line. Left: GFP Fluorescence; Right: Phase Contrast

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for HeLa/GFP cell line | HeLa cells are the most widely used cancer cell lines in the world. These cells were taken from a lady called Henrietta Lacks from her cancerous cervical tumor in 1951 which today is known as the HeLa cells. These were the very first cell lines to survive outside the human body and grow. Both GFP and blasticidin-resistant genes are introduced into parental HeLa cells using lentivirus. |
| Product Categories/Family for HeLa/GFP cell line   | Cell Signaling and Protein Biology; Reporter Assays; Cells and Reagents; Reporter Stable Cell Lines                                                                                                                                                                                                                                                                                                 |
| References                                         | Weerakkody, D. et al. (2013). Family of pH (low) Insertion Peptides for Tumor Targeting. PNAS. 110:5834-5839.                                                                                                                                                                                                                                                                                       |

**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/hela-gfp/11424>