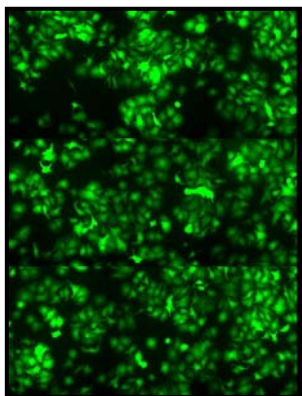


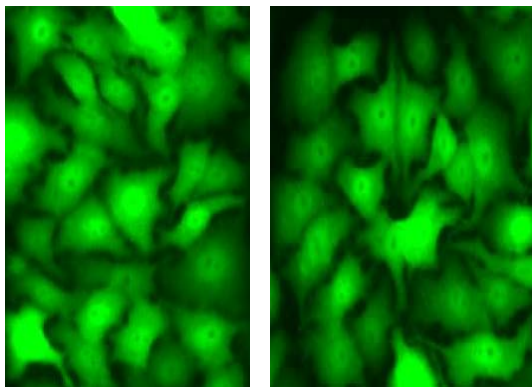
## LINTERNA™ CELL LINES

### GREEN FLUORESCENT A549 CELLS



<b>Product Name:</b>	LINTERNA™ – A549 Cell line
<b>Catalog Number:</b>	P20118
<b>Cell Line:</b>	A549
<b>Fluorescent Protein:</b>	turboGFP
<b>Resistance:</b>	G418
<b>Format:</b>	> 3x10 <sup>6</sup> cells in Cryopreserved vials
<b>Storage:</b>	Liquid Nitrogen

A novel green fluorescent A549 cell line has been developed through stable transfection with turboGFP protein. This cell line expresses green fluorescent protein as a free cytoplasmic protein.



TurboGFP A549 cell line is stably-transfected and it is ready to use in cell-based assay applications. This stably transfected cell line provides consistent levels of expression, which helps to simplify the interpretation of the results. This cell line is intended to be used as an “in vitro” model for research studies.

#### **About A549 Cell line**

A549 cell line is an adenocarcinomic human alveolar basal epithelial cell line developed in 1972 through the removal and culturing of cancerous lung tissue in an explanted tumor.

In nature, these cells are squamous and responsible for the diffusion of some substances, such as water and electrolytes, across the alveoli of lungs. If A549 cells are cultured in vitro, they grow as monolayer cells, adherent or attaching to the culture flask. Another characteristic of these cells is that they are able to synthesize lecithin and contain high level of desaturated fatty acids. A549 cell line are widely used as an in vitro model for a type II pulmonary epithelial cell model for drug metabolism and as a transfection host

**Use Restriction** This product contains a proprietary nucleic acid coding for a proprietary fluorescent protein intended to be used for research purposes only. No rights are conveyed to modify or clone the gene encoding fluorescent protein contained in this product, or to use the gene or protein other than for non-commercial research, including use for validation or screening compounds. For information on commercial licensing, contact Licensing Department, Evrogen JSC, email: [license@evrogen.com](mailto:license@evrogen.com)

### **About turboGFP protein**

tGFP is an improved variant of the green fluorescent protein CopGFP cloned from copepoda *Pontellina plumata* (Arthropoda; Crustacea; Maxillopoda; Copepoda). It possesses bright green fluorescence (excitation/emission max = 482/ 502 nm) that is visible earlier than fluorescence of other green fluorescent proteins. TurboGFP is mainly intended for applications where fast appearance of bright fluorescence is crucial. It is specially recommended for cell and organelle labeling and tracking the promoter activity.

### **Quality Control**

All cells are performance assayed and test negative for mycoplasma, bacteria, yeast and fungi. Cell viability, morphology and proliferative capacity are measured after recovery from cryopreservation. Innoprot guarantees stable expression for many generations and provides support for cell culture and visualization.

#### **THIS PRODUCT IS FOR RESEARCH PURPOSES**

**ONLY.** It is not to be used for drug or diagnostic purposes, nor is it intended for human use. Innoprot products may not be resold, modified for resale, or used to manufacture commercial products without written approval of Innovative Technologies in Biological Systems, S.L.