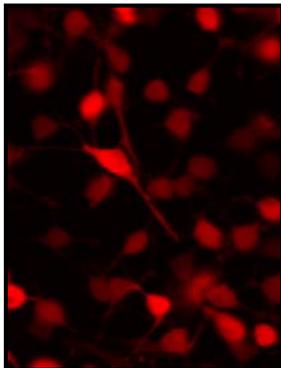


## VAMPIRO™ CELL LINES

### RED FLUORESCENT NIH/3T3 CELL LINE



<b>Product Name:</b>	VAMPIRO™ – 3T3/NIH Cell line
<b>Catalog Number:</b>	P20305
<b>Cell Type:</b>	3T3 Swiss albino mouse fibroblasts
<b>Fluorescent Protein:</b>	turboFP602 (Evrogen)
<b>Antibiotic Resistance:</b>	Puromycin
<b>Format:</b>	3 x 10 <sup>6</sup> cells in Cryopreserved vials
<b>Storage:</b>	Liquid Nitrogen

A novel red fluorescent NIH/3T3 cell line has been developed through stable transfection with Evrogen TurboFP602. This cell line expresses red fluorescent protein gene sequences as free cytoplasmatic proteins.



tFP602-3T3 Cell line is stably transfected clonal cell line that is ready to use in cell-based assay applications. This stably transfected clonal cell line provides consistent levels of expression, which helps simplify the interpretation of results. This cell line is intended to be used for transfection studies with DNA viruses and as assay system for transformation studies; cells have a high sensitivity to contact inhibition.

#### **About NIH/3T3**

This cell line was established from disaggregated Swiss albino mouse embryos in 1962. They are fibroblasts growing adherently as monolayer with contact inhibition. Swiss 3T3 cells are inhibited by temazepam and other benzodiazepines. The original cells are extremely contact inhibited, although the cell line is no longer inhibited. 3T3 cells are sensitive to sarcoma virus focus formation, as well as leukemia virus.

3T3 cells are often used in the cultivation of keratinocytes, with the 3T3 cells secreting growth factors favourable to these kinds of cells.

#### **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 TurboFP602**

TurboFP602 protein is a red shifted variant of the red fluorescent protein TurboRFP from sea anemone *Entacmaea quadricolor* [Merzlyak et al., 2007].

TurboFP602 possesses true-red fluorescence (with excitation/emission maxima at 574/602 nm, respectively), optimal for detection via most popular filter sets, and is easily distinguished from background signals. TurboFP602 exhibits fast maturation and high pH stability.

 **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.