

P20329

The VAMPIRO cell lines have been genetically modified to express turboFP602, a red fluorescent protein.

TurboFP602 is a red-shifted variant of the red fluorescent protein TurboRFP from sea anemone *Entacmaea quadricolor*.

The fluorescent properties of the turboFP602 include an excitation wavelength of 574 nm and an emission wavelength of 602 nm, resulting in a bright red fluorescence ideal for various imaging applications.

VAMPIRO cell lines are suitable for a variety of applications, including fluorescence microscopy and imaging, cell tracking and localization studies, high-throughput screening assays, and live cell analysis.



VAMPIRO SK-BR-3

RED FLUORESCENCE CELL LINES

Product Name: Vampiro SK-BR-3 cell line

Host Cell Line: SK-BR-3

Resistance: Geneticin (G418)

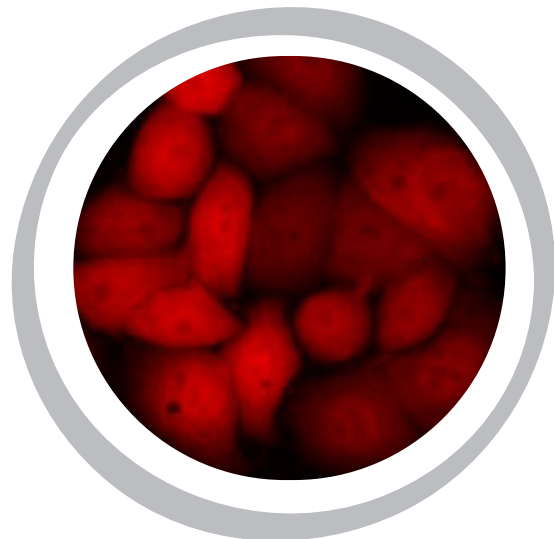
Quantity: > 3 x 10⁶ cells / vial

Storage: Liquid Nitrogen

About SK-BR-3 cells

The SK-BR-3 cell line, derived from a human breast adenocarcinoma, is a critical model for breast cancer research. Established from the pleural effusion of a 43-year-old female patient with breast cancer, these cells exhibit an epithelial morphology and are known for their high levels of HER2/neu (ERBB2) expression, a characteristic feature of aggressive breast cancer subtypes. SK-BR-3 cells are extensively used to study the molecular mechanisms underlying HER2-positive breast cancer, including signal transduction, cell proliferation, and apoptosis.

SK-BR-3 cells are particularly valuable in the development and testing of targeted therapies, such as monoclonal antibodies and tyrosine kinase inhibitors, aimed at HER2/neu.



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