



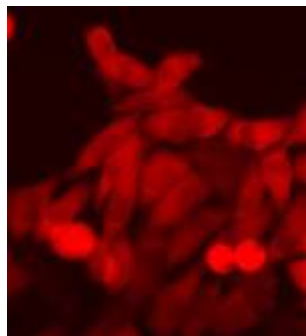
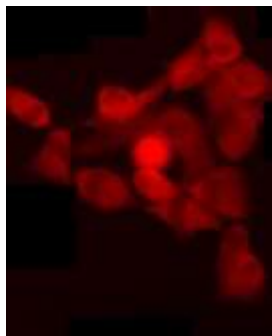
## CellTrend GmbH

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### Cell Line Specification Sheet

#### MelJuso-TurboFP635

Human malignant melanoma cells expressing deep-red fluorescent TurboFP635

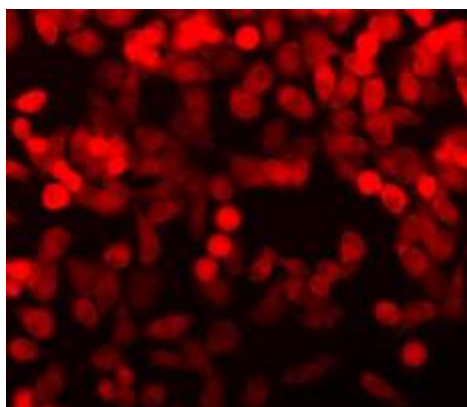


#### SPECIFICATIONS:

Cell Line:	Mel-Juso cells expressing far-red fluorescent TurboFP635
Cells/vial:	approximately $5 \times 10^5$
Subculturing:	1:3
Medium Renewal:	2 to 3 times per week
Growth Medium:	RPMI-1640 (2,0 g/L NaHCO <sub>3</sub> ) + 10 % fetal calf serum (FCS), 2 mM L-Alanyl-L-Glutamine, 1 mM Sodium Pyruvate, 1 % Non Essential Amino Acids (NEA)
Freeze Medium:	complete growth medium + 10% FCS, 10% DMSO
mycoplasma-free	
Shipping:	frozen
Storage Recommendation:	Liquid nitrogen
Biosafety Level:	1

#### INFORMATION:

Organism:	<i>Homo sapiens</i> (human)
Source:	Organ: skin; Disease: malignant melanoma
Gender:	female
Age:	58 years
Growth properties:	adherent
Morphology:	epithelial
Conditions:	37 °C, 5 % CO <sub>2</sub>
Plasmid:	pTurboFP635-C (Evrogen, Moscow, Russia)



### **Mel-Juso cells expressing far-red fluorescent TurboFP635**

Human malignant melanoma cells have been stably transfected to express the far-red fluorescent TurboFP635 protein. The cells show a strong red fluorescence without changing the original morphology or growth pattern. Thus, they are an ideal model to be used in preclinical tumor research to test new anti-cancer therapeutics. The human malignant melanoma cell line Mel-Juso is a high-metastatic tumor cell line widely used in preclinical studies of new anti-tumor drug candidates. Together with a low-metastatic human melanoma cell line such as A375, these cell lines provide a new analytic tool to study tumor growth in vivo.

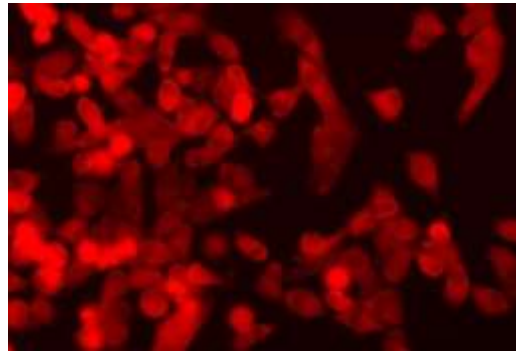
### **References**

Ziegler-Heitbrock et al. **In vitro differentiation of human melanoma cells analyzed with monoclonal antibodies.** Cancer Res 45: 1344-1350 (1985), PubMed 3971378

**FOR NON-HUMAN INVESTIGATIONAL RESEARCH ONLY.**

**TO BE HANDLED UNDER BIOSAFETY LEVEL 1 CONTAINMENT.**

**Information derived from ATCC and CLS.**



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