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DATASHEET

mCherry Lentivirus

Cat. VSL-0041

Titer:	~10^{10} TU/ml
Medium:	DMEM, 5% FBS
Volume:	5x200 µl
Selection marker:	Puromycin
Storage:	-80°C
How to use:	Thaw the recombinant lentivirus supernatant in a 37°C water bath; remove it from the bath immediately when thawed.
Description:	Ready-to use lentiviral particles for the transduction of a variety of mammalian cells including difficult-to-transfect, primary, stem and non-dividing cells as well as in vivo use for transgenic animals. Lentiviral Particles are produced from a standardized protocol using purified plasmid DNA (mCherry-pReceiver-Lv105) and the proprietary reagents, EndoFectin™ Lenti (for transfection) and TiterBoost™ solution. The protocol uses a third generation self-inactivating packaging system meeting BioSafety Level 2 requirements. The Lentivirus particles include a CMV promoter for efficient expression of non-tagged mCherry in target cells and use a puromycin resistance marker for selection of stably transduced cells.
Quality control:	The lentiviral expression construct was validated by full-length sequencing, restriction enzyme digestion and PCR-size validation using gene-specific and vector-specific primers. Product is confirmed free of bacteria, fungi and common Mycoplasma contamination.
Viral titer:	The titer of lentivirus particles in the supernatant was determined with quantitative PCR using mCherry-specific primers.

For research use only

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