

## DATASHEET

### mCherry Lentivirus

Cat. VSL-0040

|                   |   |
|-------------------|---|
| Titer:            | ~10 <sup>10</sup> TU/ml   |
| Medium:           | DMEM, 5% FBS  |
| Volume:           | 200 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:      | <p>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.</p> <p>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.</p> <p>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.</p> |
| 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***