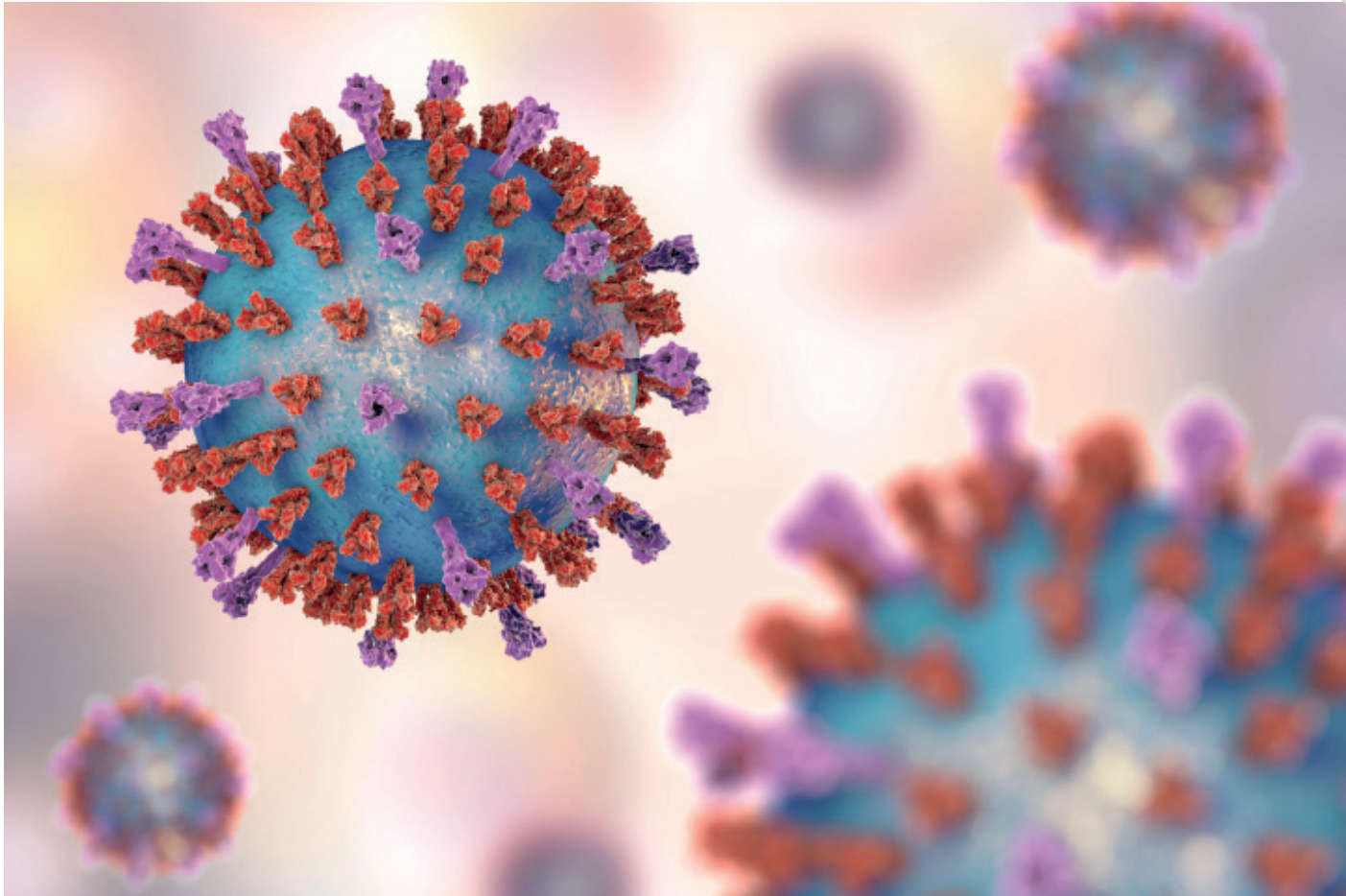




OZ BIOSCIENCES
The art of delivery systems

PROMO



Enhancing viral transduction

LentiBlast™ Premium Transduction Enhancer
&
ViroMag Transduction Reagent

LentiBlast™ Premium

Transduction Enhancer

LentiBlast™ Premium is a novel patented chemical composition that dramatically increases lentiviral infection and transduction efficiency in any type of cells, adherent or in suspension, primary or cell lines. The properties of this reagent allow simultaneously neutralizing electrostatic repulsions between membrane and viral particles and enhancing viral fusion with cell membrane.

- Maximize lentivirus infection efficiency for hard-to-transduce cells.
- Maximize cell viability: non-toxic.
- Save effort & money: achieve same transduction results with a lower viral titer.

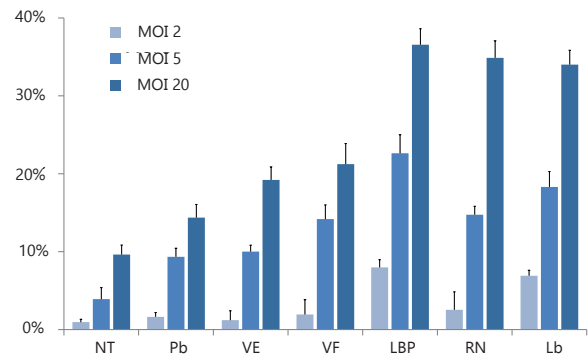


Figure 1: Comparison of transduction enhancers of CD34+ cell line with lentiviral vector.

NT, Non Treated infected cells; Pb, Polybrene; VE, ViralEntry; VF, VectoFusin; LBP, LentiBlast Premium; RN, RetroNectin; Lb, LentiBOOST.

Transduction reagent

Based on the Magnetofection™ technology ViroMag allows to concentrate the complete applied dose of viral particles onto cells within minutes, inducing a significant improvement of virus transduction with extremely low vector doses.

- Highly enhance transduction efficiency with low vector doses.
- Accelerate the transduction kinetics.
- Concentrate viruses onto cells in minutes.
- Synchronize cell absorption/infection.
- Extend tropisms to non-permissive cells.

«Magnetic Nanoparticles Enhance Adenovirus Transduction *In Vitro* and *In Vivo*.» Sapet et al. (2011) Pharm. Res.

«Synchronous infection of SIV and HIV in vitro for virology, immunology and vaccine-related studies.»
T Lymphocyte CD4+ | Sacha J.B. et al. (2010) Nat Protoc.

ViroMag Transduction reagent

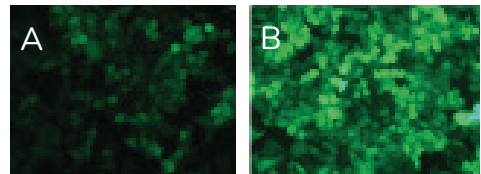


Figure 2: HeLa cells infected with A) Lentivirus only B) Lentivirus+ViroMag

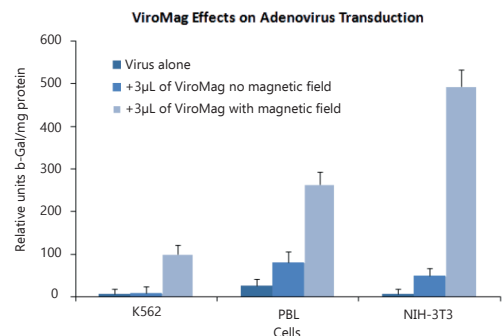
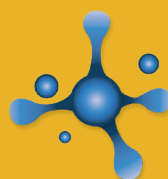


Figure 3: ViroMag effects on Adenovirus Transduction

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