

Because genetic engineering is diverse and sophisticated, e-Zyvec also assists you with:

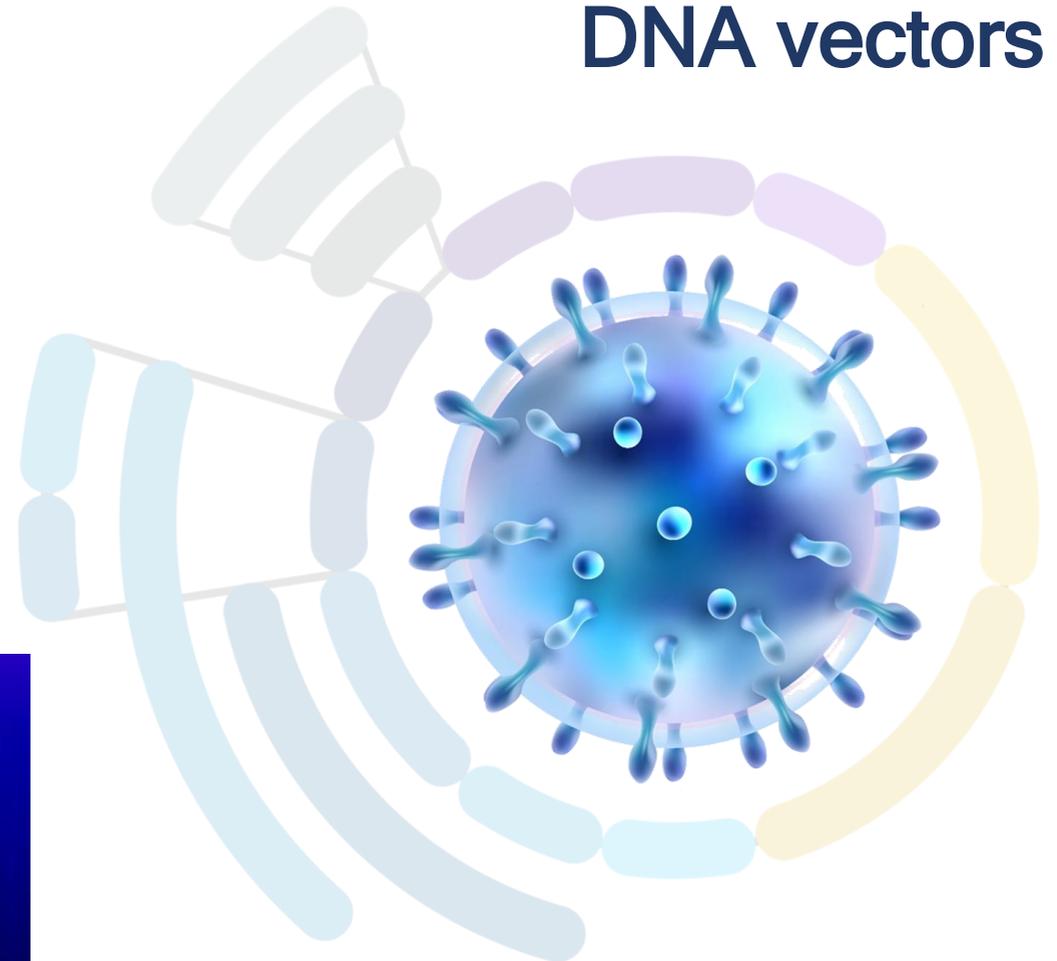
- Protein engineering: combinatorial mutagenesis, fusions and deletions...
- Multicistronic vectors: integrating several (2 to 4) independent expression cassettes.
- CRISPR-Based strategies: regular knock-out or knock-in vectors as well as transcriptomic or epigenic regulation or locus imaging tools.
- Promoter validation: ready-to use kit or customized cellular assays.
- Any tailor-designed vector that really fits your needs!

All - and more - available at www.e-zyvec.com



e-Zyvec
DNA vectors made easy

Lentiviral DNA vectors



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e-Zyvec proprietary assembly method

We
co-design
the vectors



You
get ready-
to-use
molecules



*Unique tailor-made
vector that exactly fits
your requirements*

*Series of related tools
available to test
all the hypotheses*

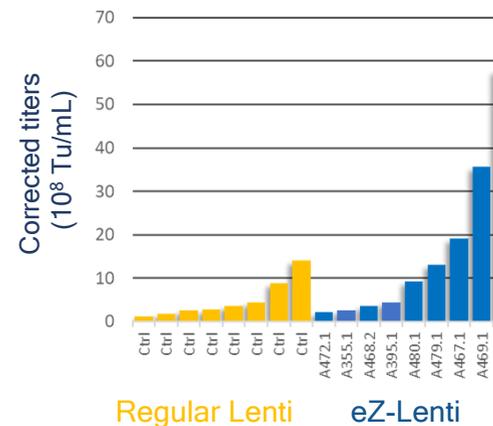
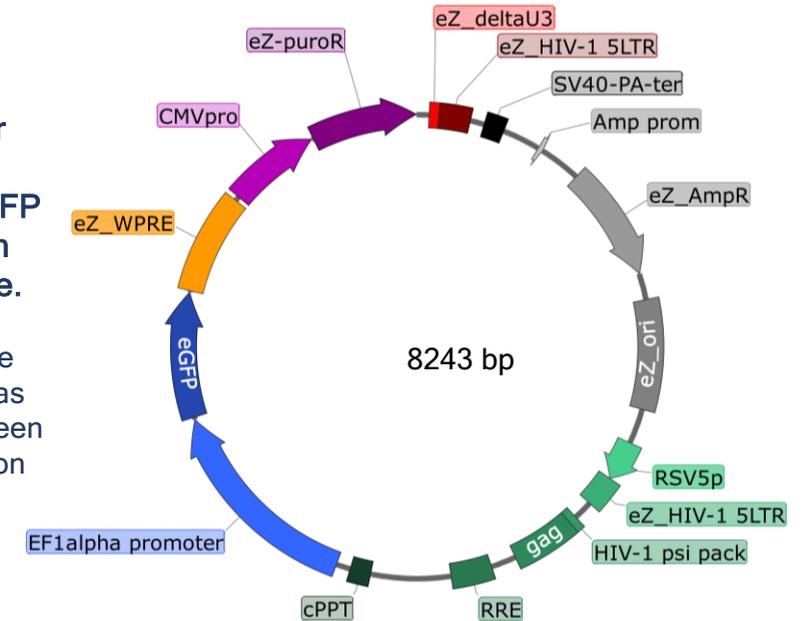
Lentiviral vectors

- **Optimized DNA bricks with viral content** : we created and tested DNA bricks compatible with our assembly system so all the viral features (LTR, Psi, cPPT, WPRE...) retain full biological activity.
- **8 Kb genetic payload** : up to 4 ORFs under control of two independent promoters driving mono or bi-cistronic transcripts (2A peptide, IRES).
- **Fully personalized content** : you can include and customize each element such as promoters, ORFs or untranslated sequences (RNAs, genomic sequence...).

Example Data

Lentivector for independent expression of GFP and puromycin resistance gene.

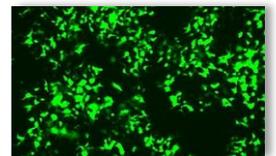
In this design the WPRE feature has been placed between the two expression cassettes.



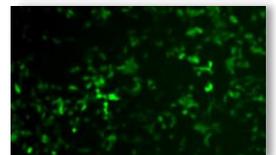
Good titer of viral particles production

Functional Virions

Transfection in packaging cells



Transduction pre-selection



Transduction post-selection

