



## AAViralEntry™ Transduction Enhancer (100X)

### Cat. No. G516

Store at 4°C up to 6 months, or store at -20°C up to 1 year.

### Product Description

This unique, proprietary viral transduction enhancer consists of polymers of short fatty acids with a mild positively charged residue along the acid side chain. The positive charge has been proven to interact with both different serotypes of recombinant AAV virus and the target cell membrane to enhance recombinant AAV transduction in various target cells. Thus the **presence of AAViralEntry™ Transduction Enhancer significantly increases recombinant AAV virus interaction with its target cells**. This product has been tested only for recombinant AAV virus applications and therefore is not suitable for other types of recombinant virus, including both lentivirus and adenovirus.

Product Component	Quantity
AAViralEntry™	1.0 ml

### Recommendations

Use a control AAV virus, like GFP AAV virus, to optimize conditions with the enhancer in target cells of a dilution ranging from 1:50-1:100.

### Protocol

1. Add appropriate amount of recombinant AAV viral virus to your target cells (adherent and suspension).
2. Directly add AAViralEntry™ transduction enhancer at 1:100 to your target cell culture right after AAV recombinant virus transduction (i.e. for every 1.0ml culture medium, use 10µl of AAViralEntry™). *For example, 20µl of AAViralEntry™ will be added to a 2.0ml culture in a 6-well plate.*
3. Observe control GFP expression or continue on for stable cell line generation.

### General Notes

- Increase recombinant AAV transduction efficiency in different target cell types.
- The AAViralEntry™ Transduction Enhancer works well with most cell types in the dilution range of 1:50-1:100.
- Excessive concentration of the enhancer may cause cell toxicity in the sensitive cells.