

# SmartPEI<sup>®</sup>

## TRANSFECTION REAGENT

### Reach Superior Transfection Efficiency

Robust and proven technology to enhance cell transfection results



## Main Features



### Stable performance

Transfection complexes are stable for up to 4 hours  
Reproducible batch-to-batch results



### Versatile

Compatible with adherent and suspension cells  
Tested on more than 400 cell lines



### High quality results

High efficiency compared to lipid-based and calcium phosphate-based methods



### Cost-effective

Affordable transfection reagent manufactured in Europe

## Applications

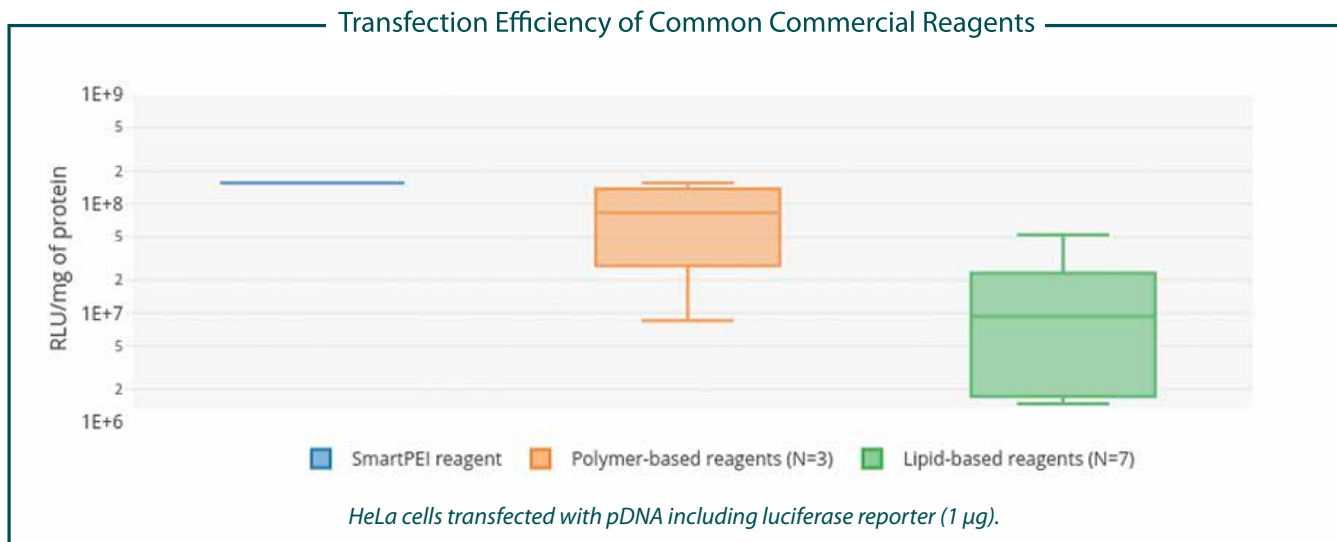
SmartPEI transfection reagent is a low toxicity, serum-compatible transfection reagent enabling robust, effective and reproducible DNA transfection into mammalian cells.

The reagent can be used for:

- Forward (transient) transfection of adherent and suspended cells
- Stable transfection of adherent cells
- Reverse transfection (recommended for High Throughput Screening)
- Batch transfection

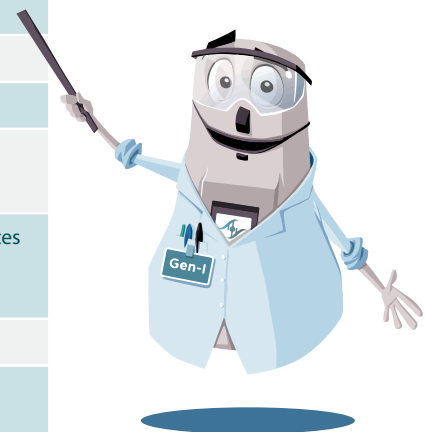
## Superior Transfection Efficiency

SmartPEI reagent was compared to common commercial reagents, either polymer-based or lipid-based. High quality results were achieved with higher transfection efficiency lower variability (data not shown).



## Technical Features

| Parameter           | Value  |
|---------------------|--|
| Part Number         | GY-SMPE010   |
| Technology          | Linear polyethylenimine derivative   |
| Volume              | 1 mL   |
| Delivered molecule  | DNA  |
| Cell types          | Adherent and suspension cells<br>Tested on 400+ cell lines including CHO, HEK-293 and HeLa cells   |
| Number of reactions | Up to approximately 5 000 to 10 000 transfections in 96-well plates or 2 000 to 4 000 transfections in 24-well plates can be performed with 1 mL of SmartPEI reagent |
| Storage temperature | 5 °C ± 3 °C  |
| Media compatibility | Compatible with serum-containing media<br>Compatible with antibiotic use   |



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