



Product Specification

Product Name : **jetPEI™**
Catalog Number : **101-05**

Description :

jetPEI is a 7.5 mM solution of a linear polyethylenimine in sterile and apyrogenic water (expressed as concentration of nitrogen residues). It is developed and manufactured by Polyplus-transfection, Illkirch, France.

Chemical structure : $\text{HO}-(\text{CH}_2)_2-(\text{CH}_2-\text{CH}_2-\text{NH})_n-(\text{CH}_2)_2-\text{OH}$

Applications :

0.5 ml of jetPEI transfection reagent is sufficient to perform 125 to 250 transfections in 24-well plates or 60 to 80 transfections in 35 mm plates. For research use only.

Preparation :

Polyplus-transfection methodology.

Technical and performance specifications :

All released batches of this product must meet the following specifications :

Linear polyethylenimine : 0.03 % (w/v)

Sterile and apyrogenic water : 99.97% (w/v)

RNase, DNase and protease free

Endotoxin free

Volume : each vial must contain a minimum of 0.5 ml +/- 1%

Transfection efficiency in cell culture : every jetPEI batch is tested on HeLa, NIH 3T3 and CHO cells. Typically, transfection in the presence of 10 % serum and a firefly luciferase gene (under the control of a CMV promoter) and N/P=5, gives ca. 10^9 RLU (relative light unit)/ mg of protein, which corresponds to ca. 100 ng of luciferase protein/mg of protein.

Validation and QC tests :

The characteristics of the product are validated.

Quality control is performed on every batch to ensure conformity with the given specifications.

Label :

jetPEI transfection reagent, Cat. N°101-05, 0.5 ml, store at 4°C, use before/....., batch N° , for research use only.

Documents to joint :

1. Certificate of analysis : **CCA 101-05 / Current batch**
2. Gene delivery protocol sheet **CPT 101 Version C**

Shipping conditions :

Ship at RT in a foam-backed envelope.

Stability :

This product will stay within the specifications for one year from the manufacturing date when stored at the recommended conditions.

Storage conditions :

Store at 4°C

Price :

See current price list