

## pZEOSV2 Kit

Product No. 450451  
Lot No. 1953911  
Date of Manufacture 21Dec2017

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### Restriction Enzyme Analysis

The supercoiled plasmids are qualified by restriction digest to confirm their identity. Restriction digests must demonstrate the correct banding pattern when electrophoresed on an agarose gel. The tables below list the restriction enzymes and the expected fragments.

#### ***pZeoSV2/lacZ***

<u>Restriction Enzyme</u>	<u>Expected Fragments (bp)</u>
<i>Nhe</i> I	6600, 61
<i>Pst</i> I	6661 (linearized)
<i>Sac</i> I	3452, 3209

This kit will include one of the following expression vectors:

#### ***pZeoSV2(+)***

<u>Restriction Enzyme</u>	<u>Expected Fragments (bp)</u>
<i>Nhe</i> I	3515 (linearized)
<i>Pst</i> I	3515 (linearized)
<i>Sac</i> I	2349, 1166

#### ***pZeoSV2(-)***

<u>Restriction Enzyme</u>	<u>Expected Fragments (bp)</u>
<i>Nhe</i> I	3514 (linearized)
<i>Pst</i> I	3514 (linearized)
<i>Sac</i> I	2288, 1226

### Purity

To ensure purity, the absorbance at 260 nm ( $A_{260}$ ) and the absorbance at 280 nm ( $A_{280}$ ) of the vector preparations are measured by spectrophotometry. The  $A_{260}/A_{280}$  ratio must be between 1.8 – 2.0.

### Zeocin™

Zeocin™ is lot-qualified by demonstrating that Low Salt LB medium containing 25 µg/ml Zeocin™ prevents growth of the *E. coli* strain, TOP10.

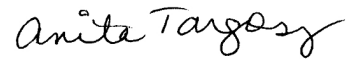
### Results

Meets all specifications

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For Research Use Only. Not for use in diagnostic procedures. If you have any further questions about this Certificate of Analysis, please contact Technical Services at 1-800-955-6288 (US and Canada) or 1-760-603-7200, x2 (all other countries).

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