

## New England Biolabs Product Specification

*Product Name:* pSNAP-tag<sup>®</sup> (T7)-2 Vector  
*Catalog #:* N9181S  
*Concentration:* 500 µg/ml  
*Shelf Life:* 24 months  
*Storage Temp:* -20°C  
*Storage Conditions:* 10 mM Tris-HCl; 1 mM EDTA @pH 8.0  
*Specification Version:* PS-N9181S v1.0  
*Effective Date:* 21 Sep 2017

### Assay Name/Specification (minimum release criteria)

**A260/A280 Assay** - The ratio of UV absorption of pSNAP-tag<sup>®</sup> (T7)-2 Vector at 260 and 280 nm is between 1.8 and 2.

**DNA Concentration (A260)** - The concentration of pSNAP-tag<sup>®</sup> (T7)-2 Vector is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.

**Electrophoretic Pattern (Plasmid)** - The banding pattern of pSNAP-tag<sup>®</sup> (T7)-2 Vector on a 1.2% agarose gel is evaluated against a control lot for sharpness and relative intensity as determined by gel electrophoresis using Ethidium Bromide.

**Non-Specific DNase Activity (DNA, 16 hour)** - A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of pSNAP-tag<sup>®</sup> (T7)-2 Vector incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.



Date 21 Sep 2017

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Director of Quality Control

