New England Biolabs
Product Specification

Product Name: Quick Blunting™ Kit
Catalog #: E1201S/L
Kit Components: Blunting Enzyme Mix (M1201)
10X Blunting Buffer (B1201)
Deoxynucleotide Solution Mix (1 mM) (N1201)

Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-E1201S/L v1.0
Effective Date: 27 Apr 2018

Assay Name/Specification (minimum release criteria)

Functional Testing (Quick Blunting™ Kit) - A 25 µl reaction in 1X Quick Blunting Buffer containing 20 ng of ApaI/BamHI linearized, dephosphorylated pUC19-derived DNA, dNTPs, and 1 µl Blunting Enzyme Mix is incubated for 15 minutes at 25°C. Ligation with the Quick Ligation Kit and transformation into NEB 5-alpha Competent E. coli results in >90% blue colonies when spread on plates incubated with Xgal, IPTG and ampicillin. Blue colonies indicate precise 5’ overhang fill-in and 3’ overhang removal of the plasmid DNA.

Derek Robinson
Director of Quality Control

PS-E1201S/L v1.0
Page 1 of 1