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## 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)
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<b>Functional Testing (Quick Blunting™ Kit)</b> - 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 <i>E. coli</i> 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.
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Date 27 Apr 2018

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Derek Robinson  
Director of Quality Control

