

# NEBNext End Prep Mixture

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## Abstract

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## Protocol

### Step 1.

End Prep Enzyme Mix 3.0 µl

#### ■ ANNOTATIONS

**Peter Hoyt** 12 Oct 2015

Will be optimizing for long read instruments.

### Step 2.

End Repair Reaction Buffer (10X) 6.5 µl

#### ■ ANNOTATIONS

**Peter Hoyt** 12 Oct 2015

Might be in the wrong protocol as the Ultrall End Prep says use 7ul of reaction buffer.

### Step 3.

Fragmented DNA 55.5 µl

#### ■ ANNOTATIONS

**Peter Hoyt** 12 Oct 2015

Initial experiment shooting for fragments greater than 20kb. Not sure why this protocol doesn't show the recommended 500pg - 1ug of fragmented DNA, but we will need approximately 4ug of HMW (High Molecular Weight) DNA to make of the molar difference in molecule ends.