AMPINEXT™ RNA Bisulfite-Seq Kit (Illumina)

A complete set of optimized reagents designed to carry out RNA bisulfite conversion, followed by a "post-bisulfite" library preparation process for Illumina platform-based bisulfite sequencing, all in one kit.

The AMPINEXT™ RNA Bisulfite-Seq Kit (Illumina) is a complete set of optimized reagents designed to carry out RNA bisulfite conversion, followed by a "post-bisulfite" library preparation process for Illumina platform-based bisulfite sequencing, all in one kit. Intended applications include whole transcriptome RNA bisulfite sequencing and various other RNA bisulfite-based next generation sequencing techniques for RNA methylation analysis. The optimized protocol and components of the kit allow the RNA to be bisulfite converted and fragmented simultaneously followed by quick non-barcoded (singleplexed) and barcoded (multiplexed) library construction using low-nanogram quantities of bisulfite converted RNA.

Ordering Information

Order Online »

ENZ-GEN510-0012	12Reactions

Manuals, SDS & CofA

View Online »

- **Fast and streamlined procedure:** The entire procedure can be finished in 6 hours.
- **Complete conversion:** Converts unmethylated cytosine into uracil at a level greater than 99.9%.
- **High sensitivity, efficiency and flexibility:** Use for both non-barcoded (singleplexed) and barcoded (multiplexed) library preparation.
- **Extremely convenient:** The kit contains all the required components for each step of the RNA library preparation process.
- **Minimal bias:** Ultra HiFi amplification.

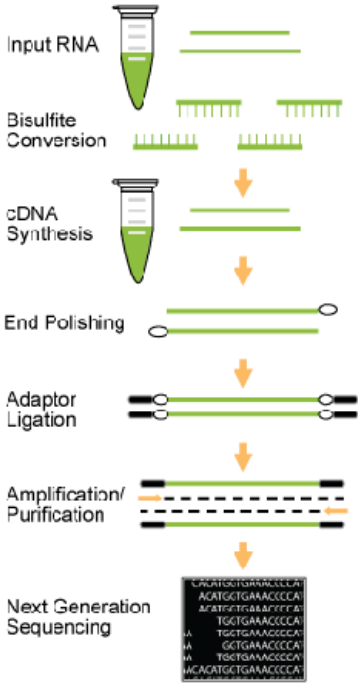


Figure 1. Schematic Procedure for using the AMPINEXT RNA Bisulfite-Seq Kit (Illumina)

Handling & Storage

Use/Stability Upon receipt: (1) Store the following components at -20°C immediately: 5X RT Reaction Buffer, 10 mM dNTP mix, 0.1M DTT, RNase Inhibitor, Random Primer, RT Enzyme Mix, 10X End Polishing Buffer, End Polishing Enzyme Mix, End Polishing Enhancer, 2X Ligation Buffer, T4 DNA Ligase, Adaptors, 2X HiFi PCR Master Mix, Primer U, Primer I, and Elution Buffer. Store the following components at 4°C: MQ Binding Beads. Store all other components at room temperature.

Shipping Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application Notes A complete set of optimized reagents designed to carry out RNA bisulfite conversion, followed by a “post-bisulfite” library preparation process for Illumina platform-based bisulfite sequencing, all in one kit.

Assay Time 6 hours

Contents

Conversion Buffer
Conversion Powder
NA Binding Solution
F-Spin Column
F-Collection Tube
Desulphonation Solution
5X RT Reaction Buffer
10 mM dNTP Mix
0.1M DTT
RNase Inhibitor
Random Primer (50 μM)
RT Enzyme Mix
10X End Polishing Buffer
End Polishing Enzyme Mix
End Polishing Enhancer
2X Ligation Buffer
T4 DNA Ligase
Adaptors (50 μM)
MQ Binding Beads
2X HiFi PCR Master Mix
Primer U (10 μM)
Primer I (10 μM)
Elution Buffer

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