



## NEBNext® DNA Library Prep Master Mix Set for Illumina®

Important! Please note that this kit now contains a new PCR master mix with new cycling conditions.

Catalog #	Size	Concentration	Price	Qty
E6040S	12 reactions		\$350.00	<input type="text" value="1"/> 
E6040L	60 reactions		\$1,400.00	<input type="text" value="1"/> 

**Categories:** [DNA Library Prep](#), [FFPE DNA](#), [Microbiome DNA Enrichment](#)

**Applications:** [DNA for Illumina®](#), [DNA Sequencing](#), [Illumina® Library Preparation](#)

Product Information

FAQs & Tech Tips

Protocols & Manuals

Other Tools & Resources

Quality & Safety

Legal Information

▾ Description

▾ Related Products

▾ Properties and Usage

▾ Notes

### Description



Download the  
**NEBNext® Technical Guide for Illumina®**



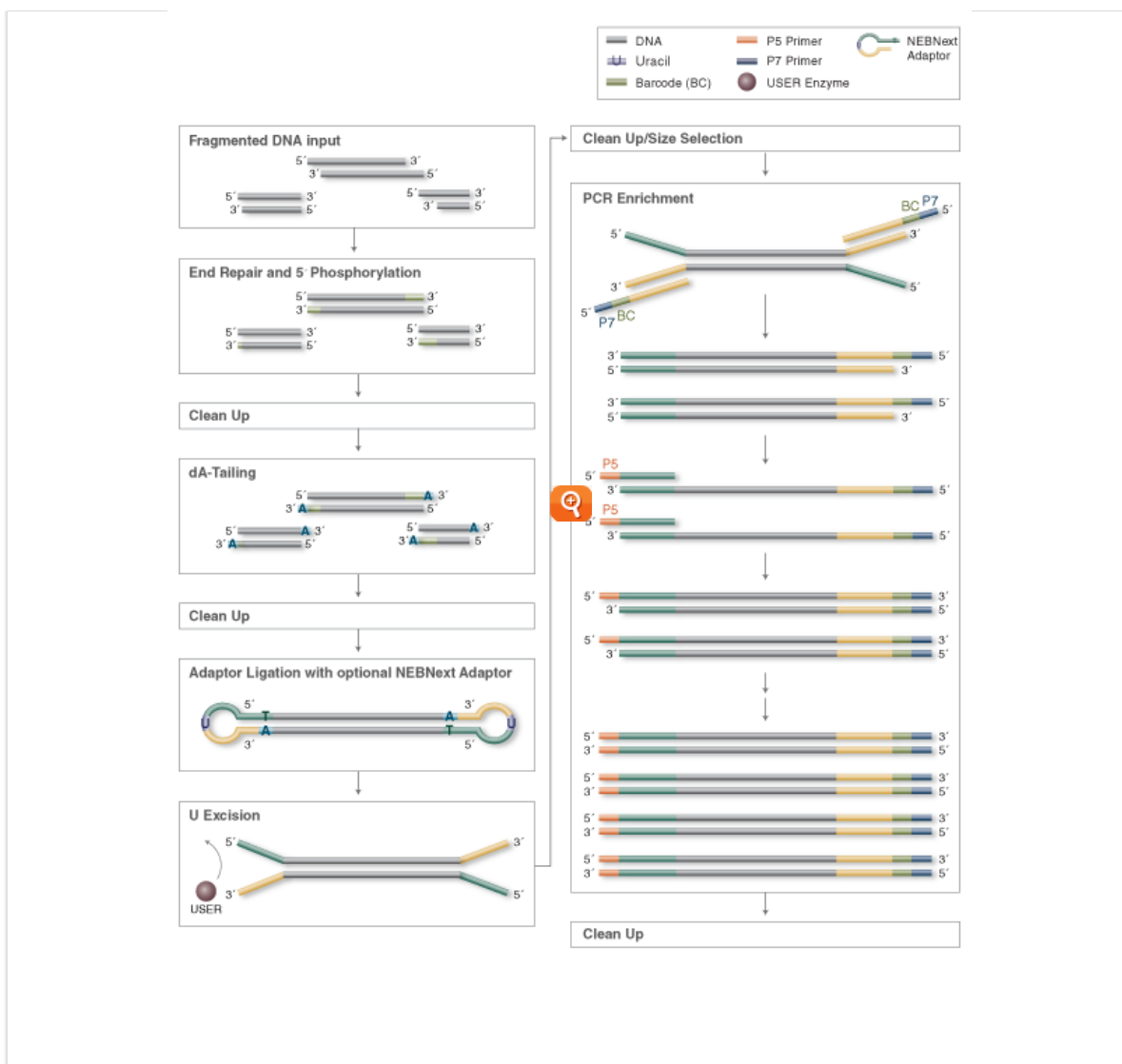
Try the NEBNext® Selector  
to guide you through selection of next gen reagents

The NEBNext® DNA Library Prep Master Mix Set for Illumina® contains enzymes

and buffers in convenient master mix formulations that are ideally suited for sample preparation for next-generation sequencing, and for preparation of expression libraries. Each of these components must pass rigorous quality control standards and are lot controlled, both individually and as a set of reagents.

#### DNA Library Preparation Workflow for Illumina





### Functional Validation

Each set of reagents is functionally validated together through construction and sequencing of a DNA library on the Illumina sequencing platform.

### Lot Control

The lots provided are managed separately and qualified by additional functional validation. Individual reagents undergo standard enzyme activity and quality control assays, and also meet stringent criteria in the additional quality controls listed on each individual component page.

### Reagents Supplied

The following reagents are supplied with this product:

	Store at (°C)	Concentration
NEBNext End Repair Enzyme Mix		
NEBNext End Repair Reaction Buffer		10X
Klenow Fragment (3'→5' exo-)		
NEBNext dA- Tailing Reaction Buffer		10X
Quick T4 DNA Ligase	-20	
NEBNext Quick Ligation Reaction Buffer	-20	5X
<b>NEBNext® Q5® Hot Start HiFi PCR Master Mx</b>	-20	

### Properties and Usage

#### Materials Required but not Supplied

- 80% Ethanol (freshly prepared)
- Nuclease-free Water
- 0.1X TE, pH 8.0
- 10 mM Tris-HCl, pH 7.5–8.0 (optional)

- DNA LoBind Tubes (Eppendorf #022431021)
- AMPure® XP Beads (Beckman Coulter, Inc. #A63881)
- NEBNext Singleplex or Multiplex Oligos for Illumina (NEB #E7350, #E7335, #E7500, #E7710, #E7730, #E6609, #E7535 or #E7600)
- Magnetic rack/stand
- PCR Machine

## Related Products

### Companion Products

- NEBNext® dA-Tailing Module
- NEBNext® dsDNA Fragmentase®
- NEBNext® End Repair Module
- NEBNext® Quick Ligation Module
- NEBNext® DNA Library Prep Reagent Set for Illumina®

## Notes

1. For larger volume requirements, customized and bulk packaging is available by purchasing through the OEM/Bulks department at NEB. Please contact [OEM@neb.com](mailto:OEM@neb.com) for further information.

### FAQs

## FAQs

1. What are the differences between expression library preparation vs. sample preparation suitable for the Illumina platform?
2. Do I need to dA-tail my insert for cloning an expression library?
3. Can NEB provide any of the reagents for the cluster generation step or the actual sequencing run?
4. Are these reagents available in a customized format or bulk format?
5. What type of sample prep/library construction can I use NEBNext DNA Library Prep Master Mix Set for Illumina for?
6. What type and how much starting material do I need to use when preparing libraries using the NEBNext DNA Library Prep Reagent Set for Illumina?
7. Can I use the NEBNext DNA Library Prep Master Mix Set for Illumina reagents for preparing RNA? For miRNA work?
8. Can I use the NEBNext DNA Library Prep Master Mix Set for Illumina reagents for preparing libraries for sequencing on the Roche 454 GS FLX?
9. Can I use the NEBNext DNA Library Prep Master Mix Set for Illumina reagents for preparing libraries for sequencing on the ABI SOLiD instrument?
10. How do I know the concentration of my index primers?

### Protocols

### Manuals

## Protocols

1. Protocol for use with NEBNext DNA Library Prep Master Mix Set for Illumina (E6040)

## Manuals

The Product Manual includes details for how to use the product, as well as details of its formulation and quality controls. The following file naming structure is used to name these document files: manual[Catalog Number].

 [manualE6040](#)

### Interactive Tools








## Interactive Tools

- [NEBioCalculator](#)

▾ [Safety Data Sheet](#)

### Safety Data Sheet

The following is a list of Safety Data Sheet (SDS) that apply to this product to help you use it safely.

-  [NEBNext End Repair Enzyme Mix](#)
-  [NEBNext End Repair Reaction Buffer](#)
-  [Klenow Fragment \(3'→5' exo<sup>-</sup>\)](#)
-  [NEBNext dA- Tailing Reaction Buffer](#)
-  [Quick T4 DNA Ligase](#)
-  [NEBNext Quick Ligation Reaction Buffer](#)
-  [NEBNext® Q5® Hot Start HiFi PCR Master Mix](#)

▾ [Legal and Disclaimers](#)

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#### Disclaimers

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