

RNA-seq Library Prep Reagents and Information

CRI Next-Gen Sequencing Core

PolyA mRNA isolation kit for mRNA-seq:

NEBNext® Poly(A) mRNA Magnetic Isolation Module

<https://www.neb.com/products/e7490-nebnext-polya-mrna-magnetic-isolation-module#Product%20Information>

rRNA depletion kit for total RNA-seq:

NEBNext® rRNA Depletion Kit (Human/Mouse/Rat)

<https://www.neb.com/products/e6310-nebnext-rna-depletion-kit-human-mouse-rat#Product%20Information>

RNA-seq library prep kit for both mRNA-seq and total RNA-seq:

NEBNext® Ultra™ II Directional RNA Library Prep with Sample Purification Beads

https://www.neb.com/products/e7765-nebnext-ultra-ii-directional-rna-library-prep-with-sample-purification-beads#Product%20Information_Properties%20&%20Usage

NEBNext® Multiplex Oligos for Illumina® (Index Primers Set 1)

<https://www.neb.com/products/e7335-nebnext-multiplex-oligos-for-illumina-index-primers-set-1#Product%20Information>

NEBNext® Multiplex Oligos for Illumina® (Index Primers Set 2)

<https://www.neb.com/products/e7500-neb-next-multiplex-oligos-for-illumina-index-primers-set-2#Product%20Information>

Note:

Each multiplex oligo set contain 12 different barcoded primers. If you plan to mix >12 samples for sequencing in a single flow cell, you will need to order both sets.

NEB-provided Protocols:

Protocol for use with NEBNext Poly(A) mRNA Magnetic Isolation Module (NEB #E7490)

<https://www.neb.com/protocols/2017/02/05/protocol-for-use-with-nebnext-poly-a-mrna-magnetic-isolation-module-e7490-and-nebnext-ultra-ii-directional-rna-library-prep-kit-for-illumina-neb-e7760-e7765>

Protocol for use with NEBNext rRNA Depletion Kit (Human/Mouse/Rat) (NEB #E6310) and NEBNext Ultra II Directional RNA Library Prep Kit for Illumina (NEB #E7760, #E7765)

<https://www.neb.com/protocols/2017/02/07/protocol-for-use-with-nebnext-rna-depletion-kit-human-mouse-rat-neb-e6310-and-nebnext-ultra-ii-directional-rna-library-prep-kit-for-illumina-neb-e7760-e7765>