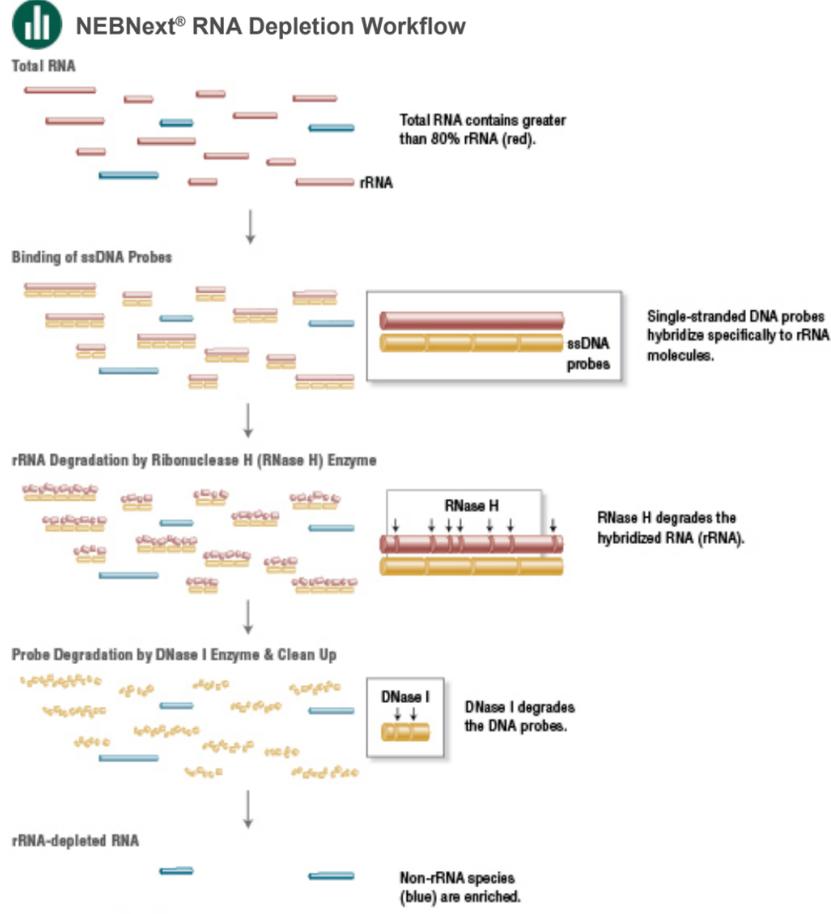




Abundant RNAs: Can you really have too much RNA?

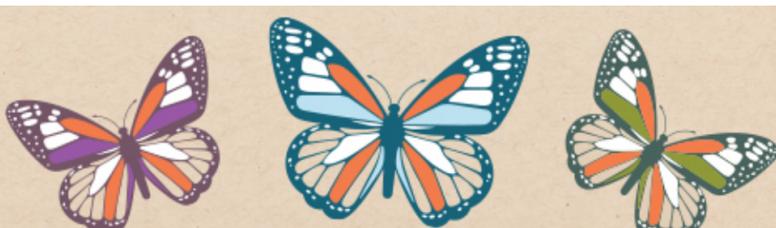
RNA sequencing (RNA-seq) faces a unique challenge. In total RNA, the majority of the RNA species present will be ribosomal RNAs (rRNAs) or sample-specific messenger RNAs (mRNAs). Since the abundant RNAs obscure the true biological phenomena that are being studied, they should be removed prior to sequencing, thus reducing the number of reads required to obtain the information of interest.



Our NEBNext RNA Depletion products rely on an RNase H-based workflow to specifically and efficiently degrade and remove the abundant RNAs from the sample, preparing it for library prep. In addition to the original kit for **rRNA depletion from human, mouse, and rat samples**, NEB now offers two new RNA depletion kits:

- **NEBNext rRNA Depletion Kit (Bacteria)** – This kit targets bacterial rRNA (5S, 16S, 23S) from both gram-positive and gram-negative organisms.
- **NEBNext Globin & rRNA Depletion Kit (Human/Mouse/Rat)** – This kit depletes adult, fetal and embryonic globin mRNA (HBA1/2, HBB, HBD, HBM, HBG1/2, HBE1, HBQ1 and HBZ), cytoplasmic rRNA (5S, 5.8S, 18S, 28S, ITS and ETS) and mitochondrial rRNA (12S and 16S).

[Request Your Sample Kit](#)



Featured products:

Take advantage of our Monarch® kits for your cloning workflows

NEB offers a selection of **nucleic acid purification kits**, designed with sustainability in mind, to facilitate your cloning workflows.



Plasmid Miniprep Kit
(NEB #T1010)

Isolate pure plasmid quickly and easily

Colored buffers ensure a user-friendly workflow



DNA Gel Extraction Kit
(NEB #T1020)

Experience excellent yields and purity

Unique column design prevents buffer carryover



PCR & DNA Cleanup Kit
(NEB #T1030)

Quickly isolate pure DNA from enzymatic reactions

Unique column design prevents buffer carryover

Kits are also available for gDNA & RNA extraction and RNA cleanup. Columns and buffers are available for purchase separately.

[Learn More](#)

Why are customers loving our Monarch kits?

“ Easy to use, great yields, less plastic and packaging, competitive pricing. As with other Monarch kits, the design of the filter prevents ethanol retention, which can be an annoying problem with other kits. We’ve switched to NEB Monarch kits for all of our DNA purifications. ”

– Researcher, OR Health and Sciences University

Something to chew on



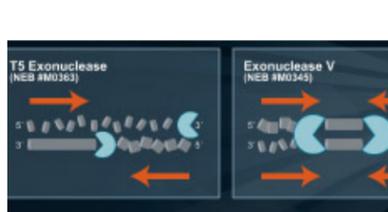
Featured resources:

What are endo- and exonucleases, and what applications can they be used for?

Endonucleases are enzymes that cleave DNA internally and do not require free DNA ends for activity. **Exonucleases** are enzymes that catalyze the removal of nucleotides in either the 5’ to 3’ or the 3’ to 5’ direction from the ends of single-stranded and/or double-stranded DNA. In our latest tutorials, learn more about endo- and exonucleases and their applications.



[View Our Endo- Tutorial](#)



[View Our Exo- Tutorial](#)

Start your career off on the right path.

Get your free NEB Starter Pack!

[Interested? Click here for more information!](#)

