

human/mouse/rat riboPOOLS

Ribosomal RNA (rRNA) Depletion

- ✓ Target cytoplasmic rRNA (28S, 18S, 5.8S & 5S rRNA) & mitochondrial rRNA
- ✓ Any reaction sizes (6, 12, 24, 96, ...)
- ✓ Wide input range (10 ng - 3 µg)
- ✓ Enzyme-free, fast & easy workflow
- ✓ Hybridization based rRNA removal
- ✓ Reproducible results
- ✓ Compatible with RNA-Seq library preparation kits
- ✓ Combination with other ready-made riboPOOLS possible (i.e. Globin mRNA depletion)

The high abundance of ribosomal RNA (rRNA) limits the detection efficiency of relevant RNAs by Next-Generation RNA Sequencing (RNA-Seq) or other analysis. The h/m/r riboPOOLS offers an affordable solution to deplete rRNAs from human, mouse and rat samples. Consisting of a highly complex mixture of biotinylated oligos, optimally designed for maximal coverage of rRNA. The h/m/r riboPOOLS targets 5S, 5.8S, 18S and 28S rRNA, and is used together with streptavidin-coated magnetic beads to remove rRNAs efficiently.

High-quality RNA

- ✓ High-quality RNA (RIN >7)
- ✓ 97%-98% rRNA depletion efficiency

Low-quality RNA

- ✓ Low-quality RNA (RIN <7), FFPE samples
- ✓ 100% coverage of rRNA
- ✓ 87%-98% rRNA depletion efficiency

Ribo-Seq (Ribosome Profiling)

- ✓ Ribosome Profiling (30-mer contaminants)
- ✓ 100% coverage of rRNA
- ✓ Adjusted to abundance of rRNA contaminants
- ✓ 53%-75% rRNA depletion efficiency