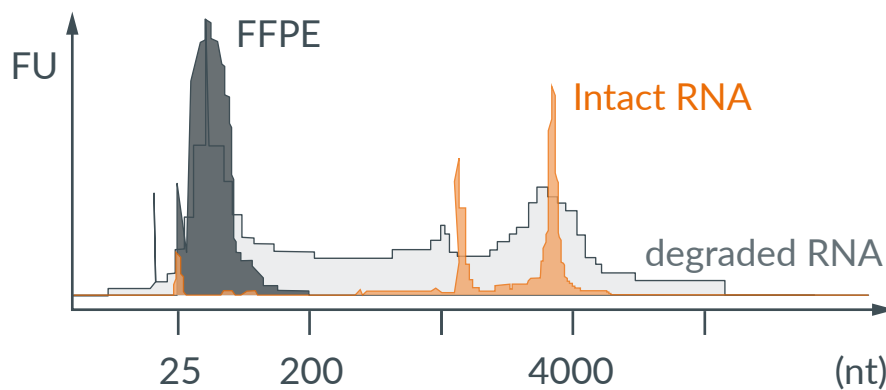


# riboPOOLs for FFPE samples

## Efficient Ribosomal RNA Depletion For FFPE samples and degraded RNA samples

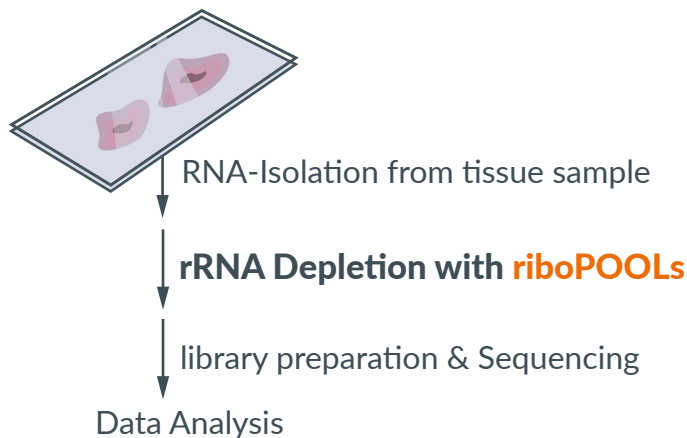
- ✓ Gapless coverage of rRNA
- ✓ Enzyme-free, fast & easy workflow
- ✓ Best solution for low-quality RNA (e.g. FFPE)
- ✓ Hybridization based rRNA removal

Total RNA extracted from FFPE tissue (Formalin-fixed, paraffin-embedded tissues) are heavily degraded with RIN values below 2. Due to their strong fragmentation ribosomal RNAs are difficult to remove before RNA sequencing (RNA-Seq). With a gapless probe coverage of the entire rRNA sequence, siTOOLS Biotech developed an efficient rRNA depletion tool for FFPE and other strongly degraded RNA samples called **FFPE riboPOOL**.



Representative Bioanalyzer Analysis of RNA with varying RNA quality.

### RNA-Seq Workflow:



### Application:

FFPE riboPOOLs are suitable for rRNA depletion in RNA samples with varying RNA quality (i.e. FFPE and intact RNA samples).

## Currently available:



### Human FFPE riboPOOL

ID: 57

coverage of entire human rRNA sequence for even rRNA depletion in FFPE and degraded RNA samples



### Mouse/Rat FFPE riboPOOL

ID: 58

coverage of entire mouse/rat rRNA sequence for even rRNA depletion in FFPE and degraded RNA samples



### Human/Mouse/Rat FFPE riboPOOL

ID: 56

equimolar mixture of Human FFPE riboPOOL & Mouse/Rat FFPE riboPOOL

## rRNA depletion efficiency:

The FFPE riboPOOL have been tested on degraded RNA samples with rRNA depletion efficiencies ranging between 87-98%, while the integrity of the transcriptome was maintained (Spearman correlation  $\geq 94$  between non-depleted and depleted samples).

## Further information:

- Enzyme-free depletion
- rRNA depletion completed in 70 mins
- Suitable for RNA input amounts from 10 ng - 3  $\mu$ g
- Compatible with various RNA clean-up methods & RNA-Seq library preparation kits

## Available formats:

1. Probes alone with nuclease-free water	2 nmol (20 rx)	5 nmol (50 rx)	10 nmol (100 rx)	
2. Complete riboPOOL kits (includes buffers, streptavidin-magnetic beads, reaction tubes and ethanol precipitation reagents)	6 rx Trial (one-time purchase)	12 rx	24 rx	96 rx

Contact us or our [Distributors](#) for questions and orders.

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